



SAN FRANCISCO HISTORY ROOM



BOOK No.

19

ACCESSION

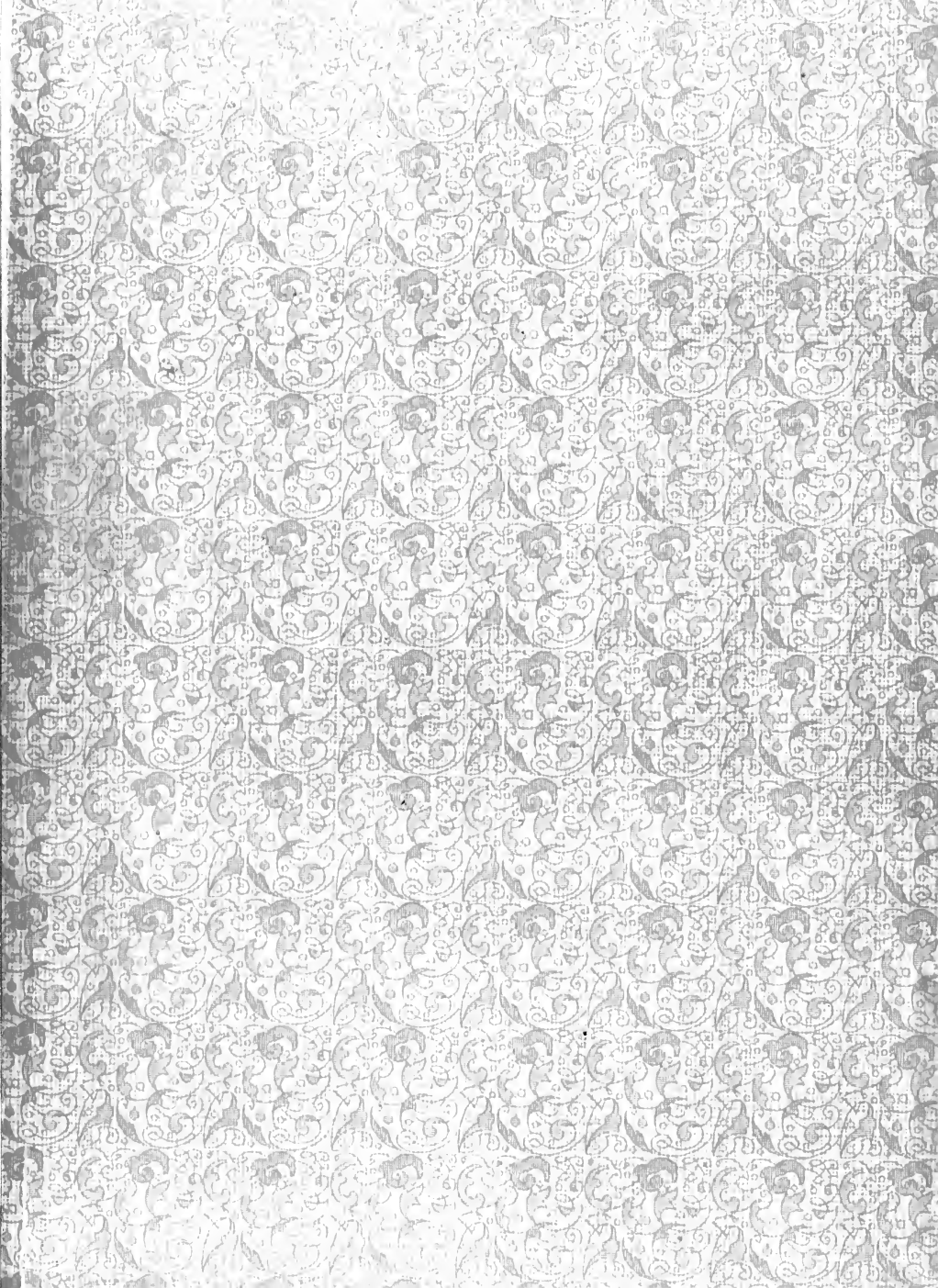
f690.5 B86 2

150480

NOT TO BE TAKEN FROM THE LIBRARY



ZOOLOGICAL DEPARTMENT



Digitized by the Internet Archive  
in 2011 with funding from  
San Francisco Public Library

# Building & Engineering News

Public Library  
Hayes & Franklin

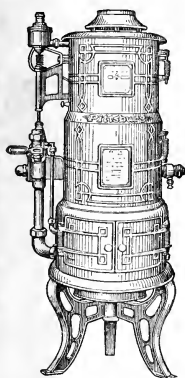
10 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., July 2, 1919

Published Every Wednesday  
Nineteenth Year, No. 27



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

**The Most Powerful Made  
Safe and Economical**

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

**California Trojan Powder Company**

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

## The Norton Liquid Door Check



5 speeds; perfect control inclosing Holder  
Atta feature, in place of foot bolts. No  
disfigurement of marble, mosaic or  
tessellated floors.

**NORTON DOOR CHECK AGENCY**  
I. M. Morrell, Agt.  
Tel. Kearny 740 273 Minna St., nr 4th

### CABINET MAKERS.

Hunter, R. J., expert cabinet maker,  
2156 Telegraph Ave.; dealer in ma-  
hogany, antique and all kinds of  
furniture; repairs and polishing:  
Telephone Oakland 2735.

## PIERCE-BOSQUIT Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET

### EMERYVILLE SCHOOL BUILDING BIDS WANTED.

EMERYVILLE, Alameda Co., Cal.—  
Bids will be received by the Emery-  
ville School District, R. S. Hawley,  
Clerk, Town Hall, Emeryville, up to  
8 P. M., July 11th, for furnishing all  
labor and materials necessary for the

### BUILDING AND ENGINEERING NEWS

work described in each of the follow-  
ing items, the work to be done in con-  
nection with the new school building  
at 47 Street and San Pablo Avenue.

First. For the completion of the  
auditorium of said building.

Second. For the completion of the  
manual training room of said building

Third. For the completion of the  
north class room on the second floor.

Fourth. For the installation of the  
wiring and electrical work in said  
building.

Fifth. For the installation of an oil  
burner, piping, pump, motor, and all  
other necessary equipment, including  
a 1460 gallon tank for fuel oil in ac-  
cording with specifications on file.

Sixth. For the installation of heat-  
ing and ventilating apparatus.

Plans were prepared by Architect  
F. Soderberg of Oakland.

### OREGON HIGHWAY COMMISSION WANTS BIDS.

PORTLAND, Ore.—Bids will be re-  
ceived by the Oregon State Highway  
Commission, Yeon Bldg., Portland, for  
the following work. (Bids close at 2  
P. M. July 10th):

Baker County—Canyon Section of  
Baker-Cornucopia Highway, grading,  
4.4 miles in length, 53,500 cubic yards  
excavation.

Clackamas County — Oregon City-  
Oswego Section, Pacific Highway,  
grading, 6.3 miles in length; 37,500  
cubic yards excavation.

Clatsop County — Svensen-Rock  
Creek Section, Columbia River High-  
way, paving, 8 miles in length. Rock  
Creek-Westport Section, Columbia  
River Highway; paving, 9.5 miles in  
length.

Columbia County — Westport-Clat-  
skanie Section, Columbia River High-  
way; paving, 10.5 miles in length.

Douglas County—Stage Road Pass  
Section, Pacific Highway; macadam,  
2.5 miles in length; 5,250 cubic yards  
macadam. Yoncalla Section, Pacific  
Highway; grading and macadam, 7.7  
miles in length; 10,000 cubic yards ex-

cavation; 16,000 cubic yards macadam.  
Comstock Overhead Crossing, Pacific  
Highway; grading and macadam, 700  
feet in length; 5,750 cubic yards exca-  
vation; 300 cubic yards macadam; 173  
cubic yards concrete.

Harney County—Burns-Lawson Sec-  
tion, Central Oregon Highway; grad-  
ing and macadam, 16.7 miles in  
length; 94,400 cubic yards excava-  
tion; 30,700 cubic yards macadam;  
13,000 pounds reinforcing steel; 480  
lineal feet timber trestle.

Lane County—Unit No. 1, Eugene-  
Junction City Section, Pacific High-  
way; paving, 6.1 miles in length.  
Unit No. 2, Eugene-Junction City Sec-  
tion, Pacific Highway; paving, 6.1  
miles in length.

Marion County—Salem-Brooks Sec-  
tion, Pacific Highway; paving, 4.2  
miles.

Polk County—Salem-Dallas Sec-  
tion; grading and paving, 13.1 miles  
in length; 40,000 cubic yards excava-  
tion.

Wasco County—Seufert Section, Co-  
lumbia River Highway; grading and  
paving, 0.5 miles in length; 6,800 cu-  
bic yards excavation.

Washington County—Canyon Road-  
Beaverton-County Line; grading and  
paving, 3.4 miles in length; 19,000 cu-  
bic yards excavation.

Wheeler County and Grant County  
—John Day Highway, between Fossil  
and Dayville, more particularly de-  
scribed as the Sarvice Creek-Valades  
Ranch Section; Unit No. 1, 13 miles,  
91,000 cubic yards excavation; Unit  
No. 2, 12.5 miles, 74,000 cubic yards  
excavation; Unit No. 3, 12 miles, 91-  
000 cubic yards excavation; Unit No.  
4, 11.5 miles, 103,000 cubic yards ex-  
cavation; total, 49 miles, 359,000 cubic  
yards excavation.

Yamhill County — Yamhill-Gaston  
Section; grading and macadam, 7.9  
miles in length; 29,000 cubic yards  
excavation.

### BIDS WANTED FOR CONSTRU- TION OF \$4,000,000 DAM.

SAN FRANCISCO.—The San Fran-  
cisco Board of Public Works will re-  
ceive bids until July 30, 1919, for the  
construction of a dam for the Hetch-  
Hetchy Project. Contract No. 61.  
Estimated cost, \$4,000,000. Bond,  
\$400,000.

### ROAD CONTRACT AWARDED.

VANCOUVER, Wash.—The Warren  
Construction Co. were awarded a con-  
tract for gravel bitulithic by the Coun-  
ty Commissioners of Clark County,  
for the paving of 4 1/4 miles of Hazel  
Dell-Delida road at \$110,283.

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BIRCH  
AROMATIC RED CEDAR  
COTTONWOOD-FLICKER  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAHLE  
OREGON RED-SPRUE-PAW  
QUARTERED OAK  
WYBROCK-BENDING OAK  
POPULAR-WALNUT



BOXWOOD-CEBONY-ROBARK  
DRESSING-VAL-PAHCH CEDAR  
LIGNUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SOUTHERN OAK-SPRUE-MUNT  
LUMBER-TIMBERS  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
DOWELS-TREMAIS VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

7-1940.5  
B86 1/2

# Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities  
150480 on the Pacific Coast.

Issued Weekly, \$4.00 per year

San Francisco, Cal., July 2, 1919

Nineteenth Year, No. 27



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.

Subscription Rates—One Year, \$3.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE  
660 Mission Street.  
Telephone—Douglas 2372.

## Notice!

Owing to the advanced cost of materials and labor the subscription price of the Building and Engineering News will be raised to \$4.00 per year, commencing July 1, 1919.

### A. A. E. TALKFEST.

American Association of Engineers will hold their monthly Talkfest on Wednesday, July 2nd, at 7:30 P. M., at the Commercial Club Rooms in the Merchants' Exchange Building. If you are a live one come and prove it. There is no program arranged for the evening as several members have expressed their desire to have a chance to talk on what is nearest their heart in matters pertaining to the Association and have a free-for-all discussion.

### OPENING BIDS IN PUBLIC.

The General Contractors' Association have taken a decided stand by demanding that hereafter bids must be opened in public.

The claim is made, that they have in the past, been subjected to so many abuses by unscrupulous owners, that the salvation of the contracting business demands some remedy, such as is embodied in the following rules.

These rules have been passed on by

two eminent attorneys, who give the opinion that the General Contractors are strictly within their legal rights.

### BIDS OPENED FOR STATE NORMAL BUILDING.

(By Special Wire.)

SACRAMENTO, Cal.—The following bids were received June 26, 1919, by the State Engineering Department for furnishing all equipment, materials, and labor, and doing the work required for the complete construction and erection of the Assembly Hall, San Jose State Normal School, San Jose:

Howard S. Williams, Hearst Bldg., San Francisco, \$65,544.

E. T. Leiter & Son, San Francisco, \$74,887.

E. E. Etherton Co., S. F. \$76,542.

Jas. Parker Co., S. F., \$78,533.

T. Hill & Co, \$96,410.60.

The lowest bid is within the appropriation. All bids were taken under advisement.

### STREET WORK CONTRACTS AWARDED.

SALINAS, Monterey Co., Cal.—The City Council has awarded contracts for street work as follows:

To the Granite Rock Co., Watsonville, Calif.:

Market street—\$15,753.52, or \$3.97 per front foot.

Soledad street—\$10,998.79, or \$2.88 per front foot.

Pajaro street—\$8077.61, or \$4.88 per front foot.

Cayuga street—\$7680.83 or \$3.30 per front foot.

To W. A. Dontanville, Arroyo Grande, San Luis Obispo Co., Calif.:

North Main street—\$20,438.74, or \$5.03 per front foot.

California street—\$14,306.18, or \$4.70 per front foot.

### PAVING CONTRACT AWARDED.

LODI, San Joaquin Co., Cal.—The City Trustees have awarded a contract to the Clark & Henry Construction Company, 58 S-Sutter St., Stockton, for the paving of Lodi avenue from Hutchins street to Cherokee Lane. The bid was: Grading, 2 cents; paving, 18 cents per square foot; gutters, .224 cents per square foot and curbs 42 cents per lineal foot. The other bids

on paving ranged up to 21 1/2 cents. They were made by Hugh Crumme, Federal Construction Co., A. Teichert & Sons, Paul & Sayles and the Municipal Improvement Company.

### ROAD BONDS.

PLACERVILLE, El Dorado Co., Cal.—Bonds of \$150,000 with which to finance the construction of permanent roads have been voted in the recently organized Marshall Boulevard District.

The district was organized for building roads from Auburn, Placer county, to Placerville by way of Coloma and to improve the road from this city to Georgetown by cutting down grades, widening curves and building bridges. The district has 60 miles of roads in supervisor districts Nos. 4 and 5.

### COMFORT STATION FOR OAKLAND UNDER ADVISEMENT.

OAKLAND, Cal.—J. Wolf, of Oakland, has offered the City Council to build a comfort station in the City Hall Plaza, where the Liberty Hut now stands, if the Council will allow him to maintain a merchandise counter in front of the building.

Wolf plans the erection of a \$25,000 building.

The Council referred the matter to Commissioner Fred F. Morse for consideration.

### TO IMPROVE TIDE LANDS.

VALLEJO, Solano Co., Cal.—To discuss the plans for building a road paralleling the tracks of the water-front railroad to be built by the government from the causeway to South Vallejo and the beautifying the reclaimed tidelands in that section, a meeting of the chamber of commerce will be held in the near future.

Emanuel Tillman Mische, who has made a close study of the situation and taken a trip over the route of the proposed railroad with City Engineer T. D. Kilkenny, C. L. Winchell, president of the chamber of commerce and Attorney P. B. Lynch will submit a report on the cost.

It is proposed to have the work done under the supervision of a government landscape gardener who will make the unsightly tide land section a place of beauty.

# ADVANCE NEWS

## Official Proposals, Etc.

**Preliminary Plans Being Prepared.**  
**COLLEGE BLDGS.** Cost, \$150,000  
**REDLANDS**, San Bernardino Co., Cal.  
 Two two-story and basement hollow tile buildings (science hall, 60x120 and men's dormitory, 136x40).  
 Owner—University of Redlands.  
 Architect—Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles.

**Plans Being Figured.**  
**FLATS** Cost, \$4,000  
**SAN FRANCISCO.** No. 3909 24th St.  
 Two-story frame (2) flats and store.  
 Owner—R. E. Splain.  
 Architect—M. J. Welsh, 915 Treat Ave., San Francisco.

**Ready for Figures July 1st.**  
**STORE BLDG.** Cost, \$10,000  
**SAN FRANCISCO.** N Ellis 37 E Jones  
 One-story brick store building (4 stores).  
 Owner—Withheld.  
 Architect—S. Helman, 57 Post St., San Francisco.

Figures will be taken for a general contract.

**Plans Being Figured.**  
**REPAIRS** Cost, \$5,000  
**MARE ISLAND**, Cal.  
 Repair to fire damaged barracks building.  
 Owner—United States Government.  
 Architect—Engineering Dept. at Mare Island.

Figures are now being received and will be opened Saturday or Monday. Plans and further information may be obtained from the Public Works Department, Mare Island.

**Sketches Being Prepared.**  
**RESIDENCE** Cost, \$—  
**SAN FRANCISCO.** N Green St., bet. Broderick and Divisadero Sts.  
 Two-story and basement frame and plaster residence and garage.  
 Owner—Alfred Hanify.  
 Architects—Ward & Blohme, Alaska Commercial Bldg., San Francisco

**Plans Being Prepared.**  
**HOTEL** Cost, \$200,000  
**MARYSVILLE**, Yuba Co., Cal. 5th and "E" Streets.  
 Four-story and basement reinforced concrete hotel building.  
 Owner—Coit Investment Co., 306 14th St., Oakland.  
 Architect—Clay N. Burrell, 1st Trust Bldg., Oakland.

Plans will be completed in about 30 days, when sub-figures will be taken. Work will be done by days labor under the supervision of Roger Coit.

**Plans Being Prepared.**  
**APARTMENTS** Cost, \$150,000  
**SAN FRANCISCO.** NE Bush and Taylor Sts. 45-10x100 on Taylor.  
 Six-story and basement reinforced concrete apartment house (2 and 3 room apts).  
 Owner—Arthur Rousseau, 110 Sutter St., San Francisco.  
 Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.  
 Bids will be taken immediately for excavation and foundation work.

**Plans Being Prepared.**  
**SHED, HEATING PLANT, ETC.**  
 Cost, \$10,000 to \$15,000.  
**SAN FRANCISCO.** Islais Creek.  
 Shed, heating and pumping plant.  
 Owner—State of California.  
 Engineer—Engineering Department Harbor Commissioners.

**Plans Being Prepared.**  
**MERCANTILE BLDG.** Cost, \$100,000  
**SAN FRANCISCO.** 50 Vara District.  
 Large fireproof mercantile building.  
 Owner—Withheld.  
 Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

**Plans Being Prepared.**  
**STORE BLDG.** Cost, \$—  
**MARYSVILLE**, Yuba Co., Cal. "C" St.  
 Two-story brick store building.  
 Owner—Kim Wing, "C" St., Marysville.  
 Architect—Not Given.

**Ready for Figures About July 1st.**  
**SCHOOL** Cost, \$6,800  
**BAKERSFIELD**, Kern Co., Cal. Fruitvale School District.  
 One-story two-room frame school.  
 Owner—Fruitvale School District.  
 Architect—J. M. Saffell, 924 19th St., Bakersfield.  
 (27502) 1st report Feb. 8; 6th June 9, 1919.

**Ready for Figures About July 15th.**  
**ADDITION** Cost, \$7,000  
**SHAFTER**, Kern Co., Cal. Richland School District.  
 Addition to frame school.  
 Owner—Richland School District.  
 Architect—J. M. Saffell, 924 19th St., Bakersfield.

**Plans Being Prepared.**  
**WAREHOUSE** Cost, \$—  
**CLARKDALE**, Ariz.  
 Five-story Class "A" warehouse, 80x120.  
 Owner—Withheld.  
 Architect—Arthur R. Kelly, 1110 Story Bldg., Los Angeles.

**Plans Being Figured. Bids Close July 7, 1919, 7:30 P. M.**  
**GYMNASIUM BLDG.** Cost, \$—  
**EUREKA**, Humboldt Co., Cal. High School Grounds.  
 Gymnasium Building.  
 Owner—City of Eureka.  
 Architect—Not Given.  
 Geo. B. Abbee, Superintendent of Schools, Eureka.

**Contract Awarded.**  
**RESIDENCE** Cost, \$33,000  
**PASADENA**, Los Angeles Co., Cal. No. 1303 Wentworth Avenue.  
 Two-story hollow tile residence.  
 Owner—Mrs. Wm. E. Webb.  
 Designer & Contractor—Foss Designing & Building Co., 45 North Euclid Ave., Pasadena.

**Plans Being Prepared**  
**THEATRE** Cost, \$—  
**WHITTIER**, Los Angeles Co., Cal.  
 North Greenleaf Avenue.  
 Class "A" motion picture theatre.  
 Owner—Messrs H. J. Siler, Truman Berry and Henry Gwin.  
 Architect—E. J. Borgmeyer, 317 Stimson Bldg., Los Angeles.

**Plans Being Prepared.**  
**ALTERATIONS** Cost, \$30,000  
**SAN FRANCISCO.** 26th & Folsom Sts.  
 Alter Cogswell Polytechnic College. (plumbing, electric work, carpenter work and heating).  
 Owner—Cogswell Polytechnic College  
 Architect—F. H. Meyer, Bankers' Investment Bldg., San Francisco.

**Plans Being Figured. Bids Close July 8, 1919, 8 P. M.**  
**ADDITION** Cost, \$—  
**SAN JOAQUIN CO., CAL.** Lavella & Brunswick School Districts.  
 Addition to frame school.  
 Owner—Lavella & Brunswick School Districts.  
 Architect—Not Given.

**Sub-Figures to be Taken in About Three Weeks.**  
**OFFICE BLDG.** Cost, \$—

OAKLAND, N 16th Street 100 W  
Telegraph Avenue.  
Four-story Class "C" office building.  
Owner—East Bay Water Co., 9th and  
Broadway, Oakland.  
Architect—Wm. Knowles, Hearst Bldg  
San Francisco and Central Bank  
Bldg., Oakland.

Sketches Being Prepared.  
RESIDENCE, ETC. Cost, \$—  
BERKELEY, Alameda Co., Cal. Clare-  
mont Court.

Two-story brick and frame residence  
and garage, 10 room (Dutch  
Colonial style).

Owner—W. W. Miller.  
Architect—Henry H. Gutterson, 278  
Post St., San Francisco.

Plans Being Prepared.  
SCHOOL Cost, \$35,000  
DUNSMUIR, Siskiyou Co., Cal.  
Two-story concrete and frame school.  
Owner—Dunsmuir Grammar School  
District.

Architects—Woolett & Lamb, Physi-  
cians Bldg., Sacramento.

Plans Complete.  
BANK, ETC. Cost, \$—  
SACRAMENTO, Cal. SE Seventh and  
"K" Streets.

Eighteen-story Class "A" bank, office  
and club building.

Owner—J. M. Henderson Jr., Presi-  
dent of Fort Sutter and Sacra-  
mento Banks, et als.

Architects—Weeks & Day, Phelan  
Bldg., San Francisco.

It has not been decided whether  
figures will be taken for a general  
contract or segregated.

Plans Being Figured.  
SCHOOL Cost, \$35,000  
DURHAM, Butte Co., Cal. Durham  
School District.

Two-story brick veneer or hollow tile  
school.

Owner—Durham School District.  
Architect—W. H. Weeks, 75 Post St.,  
San Francisco.

Plans may be obtained from Mr.  
Week's office.

Segregated Figures Being Taken.  
APARTMENTS Cost, \$35,000  
SAN FRANCISCO. SW Laguna and  
Clay Streets.

Three-story and basement frame  
apartments (3 apts. of 8 rooms and  
4 baths each).

Owner—Miss E. J. Booth.  
Architect—Henry C. Smith, Humboldt  
Bank Bldg., San Francisco.

To be Done by Day's Work.  
BUNGALOWS Cost, \$3,000 each  
MODESTO, Stanislaus Co., Cal. 2nd

and "I" Streets.  
Twelve frame bungalows.  
Owner—W. F. Ramont, Modesto.  
Architect—Not Given.

Plans Being Revised.  
RESIDENCE Cost, \$8,500  
BERKELEY, Alameda Co., Cal. Rick-  
ridge.

One and one-half-story and basement  
frame residence and garage (8  
rooms).

Owner—Blinn Bryant.  
Architect—Henry H. Gutterson, 278  
Post St., San Francisco.

Plans Being Prepared.  
RESIDENCE Cost, \$10,000  
OAKLAND, Alameda Co., Cal. Clare-  
mont District.

Two-story frame residence.  
Owner—Mr. Shuman.  
Architect—Ed. T. Foulkes, Crocker  
Bldg., San Francisco.

Plans Being Prepared.  
GARAGE Cost, \$4,000  
SAN FRANCISCO. Valencia near 25th  
One-story Class "C" private garage.  
Owner—Christens Ranch Dairy.  
Architect—Martin A. Sheldon, 110  
Sutter St., San Francisco.

Plans Being Prepared. Ready for  
Figures in About a Week.  
THEATRE Cost, \$75,000  
EUREKA, Humboldt Co., Cal. 4th and  
"G" Streets.

Reinforced concrete theatre building,  
70x120 (seating capacity 1200).  
Owner—Richard Sweasey, 402 "G" St.,  
Eureka.

Architect—Reid Bros., 105 Montgom-  
ery St., San Francisco.  
Lessee—Ackerman & Harris (Hippo-  
drome Circuit).

Plans Being Prepared.  
APARTMENTS, ETC. Cost, \$25,000  
MARYSVILLE, Yolo Co., Cal.  
Two-story brick store and apartment  
house (5 apts and 1 store.)  
Owners—Sullivan & Gomez.  
Architect—Chester Cole, Chico.

Plans Being Prepared.  
ADDITIONS Cost, \$15,000  
SACRAMENTO, Cal. North Sacra-  
mento School District.

Two one-story additions to frame  
schools.  
Owner—North Sacramento School  
District.

Architect—A. Willoner, 403 21st St.,  
Sacramento.

To be Done by Day's Work.  
ALTERATIONS Cost, \$5,000  
OAKLAND, Alameda Co., Cal. NE

14th and Webster Streets.  
Remodeling Maple Hall (two-story  
frame building).  
Owner—Mrs. Oliver.  
Architect—Ed. T. Foulkes, Crocker  
Bldg., San Francisco.

Plans Being Figured. Bids Close July  
12, 1919.

SCHOOL Cost, \$12,000  
GRAFTON, Yolo Co., Cal. Knights  
School District.

One-story hollow tile school (2 rooms)  
Owner—Knights School District.  
Architect—Chester Cole, Chico.

Segregated Figures Being Taken.  
SCHOOL Cost, \$60,000  
SAN FRANCISCO. Fourteenth Ave.  
and Irving Street.

Two-story reinforced concrete school  
(13 class rooms).

Owner—Roman Catholic Archbishop  
of San Francisco. St. Ann's Parish  
Architects—W. D. Shea and H. A.  
Minton, 244 Kearny St., San Fran-  
cisco.

Every modern equipment will be in-  
stalled.

Plans Being Figured.  
HOTEL Cost, \$80,000  
COLUSA, Colusa Co., Cal. Mark and  
Seventh Streets.

Three and four-story reinforced con-  
crete hotel (80 rooms).

Owner—J. Swank, Colusa.  
Architect—J. S. Gould, Colusa.

Contract Awarded.  
RESIDENCE, ETC. Cost, \$20,000  
HILLSBOROUGH, San Mateo Co., Cal.  
Two-story frame residence, garage,  
etc.

Owner—Withheld.  
Architect—Chas. Skidmore, 616 New  
Call Bldg., San Francisco.  
Contractor—S. A. Born Bldg., Co., 615  
Highland Ave., Burlingame.

Plans Being Figured.  
RESIDENCE Cost, \$12,000  
SAN FRANCISCO. Merritt Tract.  
Two-story frame residence.  
Owner—Mrs. Smith.  
Architect—W. C. Falch, Hearst Bldg.,  
San Francisco.

Plans Prepared.  
WAREHOUSE Cost, \$—  
LONG BEACH, Los Angeles Co., Cal.  
15th Street and California Ave.  
Four-story reinforced concrete and  
steel warehouse, 60x118 and a  
one-story brick garage.  
Owner—Long Beach Transfer &  
Warehouse Co.  
Architect—W. Horace Austin, 222 1st  
National Bank Bldg., Long Beach

# BUILDING AND ENGINEERING NEWS

Will Call for Steel Thursday.

## ADDITION

Total Cost of extension, \$600,000  
SAN FRANCISCO. Stockton and California Streets.

Steel Work for additions to Class "A" office building.

Owner—Metropolitan Life Insurance Company.

Architect—J. R. Miller, Lick Bldg., San Francisco.

Working details for foundations are being finished, and bids will be called for in a couple of weeks.

Plans Being Prepared. Ready for Figures in One Week.

RESIDENCE Cost, \$4,000  
SAN FRANCISCO. Mission Terrace Tract.

Five two-story frame residences.

Owner—Mission Terrace Co.

Architect—H. C. Bauman, 251 Kearny St., San Francisco.

Preliminary Plans Being Prepared.

APARTMENTS Cost, \$48,000  
OAKLAND, Alameda Co., Cal. Grand Avenue near Perkins Street.

Three-story frame apartment house (12 3-room apts.)

Owner—Withheld.

Architect—Chester H. Miller, Call Bldg., San Francisco.

Contract Awarded on a Percentage Basis.

PACKING PLANT, ETC. Cost, \$75,000  
LEMON, Ventura Co., Cal.

Concrete and frame packing plant and ranch buildings.

Owner—Geo. C. Power.

Architect—Not Given.

Contractor—Walter Slater Co., 2314 Santa Fe Ave., Los Angeles.

Plans Being Figured. Bids Close June 30, 1919.

RESIDENCE Cost, \$—  
SHAFTER, Kern Co., Cal.  
Seven-room frame or hollow tile residence.

Owner—H. S. Hampton.

Architect—J. M. Saffell, 924 19th St., Bakersfield.

Plans Being Prepared. Ready For Figures Next Week.

ALTERATIONS Cost, \$20,000  
SAN MATEO. No. 277 "B" St. (John Coleman Bldg.)

Alterations and extension of banking rooms in two-story brick building (marble front, fixtures, etc.)

Owner—Bank of Italy (San Mateo Branch).

Architect—W. H. Toepke, 942 Market St., San Francisco.

STORES, ETC.

Cost, \$50,000  
SEATTLE, Wash. NW Third Avenue and Pine Street.

Two-story brick stores and salesroom 60x108.

Owner—Mrs. C. O. Childs.

Architect—A. H. Albertson, Henry Bldg., Seattle, Wash.

Plans Being Prepared.

PAINTING, ETC COURTHOUSE

Cost, \$—.

SANTA ROSA, Sonoma Co., Cal.

Cleaning and painting County Courthouse and minor alterations]

Owner—County of Sonoma.

Architect—W. H. Weeks, 75 Post St.,

Plans Being Figured by Selected List of Bidders.

SCHOOL Cost, \$40,000

VALLEJO, Cal.

One-story 6-room frame school.

Owner—U. S. Housing Corp.

Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Sketches Being Prepared.

APARTMENTS Cost, \$300,000  
SAN FRANCISCO. Washington and Gough Streets.

Eight-story reinforced concrete apartment building.

Owner—Metropolitan Apartments. M. Selig, Pres., 32 Montgomery St., San Francisco.

Architects—Willis Polk & Co., Hobart Bldg., San Francisco.

The company is now being financed.

Plans Being Figured.

THEATRE Cost, \$35,000  
MERCED, Merced Co., Cal. 17th and "M" Streets.

Brick and frame theatre.

Owner—C. H. Douglas.

Architect—A. W. Cornelius, Merchants National Bank Bldg., San Francisco.

Plans Being Prepared.

CHURCH Cost, \$20,000  
BERKELEY, Alameda Co., Cal.  
Frame church.

Owner—Third Church of Christ Scientist.

Architect—Ed. T. Foulkes, Crocker Bldg., San Francisco.

Ready for Figures This Week.

RESIDENCE Cost, \$10,000  
BERKELEY, Alameda Co., Cal. Claremont District.

Two-story and basement frame and plaster residence (8 rooms and 2 bathrooms).

Owner—Arthur Webb.

Architect—W. H. Ratcliff, 1st National Bank Bldg., Berkeley.

Plans Being Figured.

OFFICE BLDG. Cost, \$—  
SAN FRANCISCO. Seventh and Daggett Streets.

Two-story brick office building.

Owner—Main Street Iron Works.

Architects—Weeks & Day, Phelan Bldg., San Francisco.

Plans Being Prepared.

SCHOOL Cost, \$40,000  
SAN FRANCISCO. SW Sanchez and Valley Streets.

Three-story reinforced concrete parochial school building (8 classrooms, auditorium & gymnasium)

Owner—St. Paul's Parish.

Architects—Shea & Lofquist, Chronicle Bldg., San Francisco.

Work will be done by days labor.

Plans to be Prepared.

ADDITIONS Cost, \$—  
OAKLAND. 16th and Broadway.  
Four-story, 100x100, addition to Class "A" department store.

Owner—Kahn Bros., Premises.

Architect—Not Selected.

Plans for the present building were prepared by C. W. Dickey, Oakland Bank of Savings Bldg., Oakland.

Plans Being Prepared.

ALTERATIONS Cost, \$15,000  
SAN FRANCISCO. SW First Avenue and California Street.

Alter and add to apartment house.

Owner—Withheld.

Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

APARTMENTS

Cost, 14,000  
OAKLAND, Alameda Co., Cal.  
Two-story frame apartment house (4 4-room apts.)

Owner—Mr. Burket.

Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Prepared.

RESIDENCE Cost, \$6,000  
FRESNO, Fresno Co., Cal. Alta Vista Tract.

One-story hollow tile residence.

Owner—Mr. Goldman, Manager Fisk Tire Co., Fresno.

Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Plans Being Prepared.

TRAINING BLDGS. Cost, \$100,000  
FLAGSTAFF, Ariz. State Normal School.

Two two-story reinforced concrete training buildings, 60x120.

Owner—State of Arizona.

Architects—Lescher & Kibbey, Phoenix, Arizona.



## Contract Awarded.

RESIDENCE Cost, \$44,473  
PASADENA, Los Angeles Co., Cal.  
No. 450 San Rafael Avenue.  
Two-story frame and plaster residence.

Owner—W. S. Morse, 2071 So. Hobart Blvd., Los Angeles.

Architect—Reginald Johnson, Staats Co., Bldg., Pasadena.

Contractor—Whetstone & Mayer, 1076 Stevenson St., Pasadena.

## Specifications Being Prepared.

ALTERATIONS Cost, \$8,000  
SAN FRANCISCO.

Alterations to office building (change partitions, tear out Oregon pine trim and replace with oak).

Owner—Withheld.

Architect—C. W. McCall, Central Bk. Bldg., Oakland.

## Plans Being Prepared.

APARTMENTS Cost, \$300,000  
SAN FRANCISCO. Bush Street.  
Ten-story Class "A" apartments.

Owner—Withheld.

Architect—J. Martin Haenke, Humboldt Savings Bank Bldg., San Francisco.

## Plans Being Prepared.

THEATRES Cost, \$125,000 each  
BERKELEY AND SAN FRANCISCO.  
Berkeley also North Beach District in San Francisco.

Two reinforced concrete theatres 1500 seating capacity.

Owner—Withheld.

Architect—J. Martin Haenke, Humboldt Savings Bank Bldg., San Francisco.

(28371) A to U Z 198-200-1-5

## Plans Prepared.

RESIDENCE Cost, \$25,000  
PIEDMONT. Glen Alpine Road.  
Two-story frame residence.

Owner—J. H. Atkins, 550 Sutter St., San Francisco, and 776 Kingston St., Oakland.

Architect—Not Given.

## Plans Being Prepared.

RESIDENCE Cost, \$12,000  
SAN FRANCISCO. Merritt Terrace.  
Two-story frame residence (10 rooms, plaster exterior).

Owner—G. M. Merritt.

Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

## Plans Being Figured.

APARTMENTS Cost, \$18,000  
SAN FRANCISCO. Twelfth Avenue near Clement.

Three-story frame apartments (6 4-room apartments).

Owner—Mr. McCaw.

Architect—D. J. Patterson, 46 Kearny St., San Francisco.

## Plans Being Figured.

AUTO SALES ROOM Cost, \$——  
SAN FRANCISCO. E Van Ness Ave. S of Ellis St.

One-story and basement brick auto sales building, 45x136-6 with L, 25x27-6.

Owner—Withheld.

Architect—Henry Shermund, Mills Bldg., San Francisco.

## Segregated Figures Being Taken.

ALTERATION Cost, \$7,500  
SAN FRANCISCO. No. 101 Walnut St., corner Jackson.

Alter and add to 2-story frame residence.

Owner—J. H. Polhemus, Premises.

Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.

## Plans Being Figured.

RESIDENCE Cost, \$5,000  
SAN FRANCISCO. Ashbury Terrace.  
One and one-half-story frame residence (7 rooms and 2 bathrooms)

Owner—Mr. Oliver.

Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

## Plans Being Prepared.

RESIDENCE Cost, \$5,500  
SAN FRANCISCO. Westwood Park.  
One-story 6-room frame residence.

Owner—Mr. Briden.

Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

## SPECIFICATIONS

Exterior Finish, cement plaster; Floors, hardwood; Interior Finish, hardwood; Tile, glazed.

## Plans Prepared.

APARTMENTS Cost, \$25,000  
MARTINEZ, Contra Costa Co., Cal.  
Ferry and Escobar Streets.

Two-story brick stores and apartments, 103x73.

Owner—J. E. Schoolcraft.

Architect—W. A. Doctor, 314 Main St., Martinez.

## Plans Being Figured.

FLATS Cost, \$14,000  
SAN FRANCISCO. N — E Post.  
Two-story and basement frame residential flats; 1 8-room and 2 4-room.

Owner—John Lukes.

Architect—Walter C. Falch, Hearst Bldg., San Francisco.

## Plans Being Figured.

WAREHOUSE, ETC. Cost, \$12,000  
SAN FRANCISCO.

Two-story reinforced concrete warehouse and factory.

Owner—Withheld.

Architect—M. G. Bugbee, 635 28th Ave., San Francisco, and 679 Washington St.

## Plans Being Figured.

ALTERATIONS Cost, \$10,000  
SAN FRANCISCO. Jackson and Baker Streets.

Alter two-story frame residence; add 6 rooms; new front; plaster exterior; hot air heating; extension

Owner—Withheld.

Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.

Plans Being Figured. Bids Close July 12, 1919, 2 P. M.

SCHOOL Cost, \$20,000  
LOS ANGELES Co. Little Lake School District near Santa Fe Springs.

One-story hollow tile school.

Owner—Little Lake School District.

Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

Plans Being Figured. Bids Close July 14, 1919, 7 P. M.

SCHOOL Cost, \$——  
COVINA, Los Angeles Co., Cal. Covina School District.

One-story reinforced concrete school (16 classrooms, auditorium, etc.)

Owner—Covina Grammar School Dist.

Architect—John C. Austin, 1125 Baker Detwiler Bldg., Los Angeles.

## Plans Prepared.

RESIDENCE Cost, \$——  
MONROVIA, Los Angeles Co., Cal.  
Fourteen-room hollow tile residence, garage, etc.

Owner—Fred H. Nusbickel, East Glendora, Cal.

Architect—Frank O. Eager, American Bank Bldg., Los Angeles.

## Plans Being Prepared.

STUDIO Cost, \$——  
SANTA BARBARA, Cal.  
One-story brick studio building, 40x160.

Owner—Miss Donna I. Youmans.

Architect—Carlton M. Winslow, 1134 Van Nuys Bldg., Los Angeles.

KERMAN, Fresno Co., Cal.—The Trustees of the Kerman Union High School will receive bids for the erection of a frame dwelling house at their office on the High School site at 8 P. M., July 5th.

Plans and specifications may be obtained from D. C. Stanion at his residence, ½ mile south of the High School.

D. C. Stanion, Clerk of the Board of Trustees.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

No.	Owner	Contractor	Am't.
1197	Johnson	Novelty	400
1199	Gerard Invt	James	4210
1198	French Hspl	Langlais	1199
1200	Nelson	Nelson	3500
1201	Erikson	Rednall	1500
1202	Mark	Bertsch	500
1203	Miller	Miller	400
1204	Jacobs	Dakia	400
1205	McKay	Butte	5838
1206	Schlicker	Zinkand	1535
1207	Warbur Rity	Barrett	45500
1208	Bergez	Johnson	10390
1209	Rasori	De Favero	16000
1210	Miller	Miller	8000
1211	Gerhardt	Anderson	8000
1212	Heyman	Heyman	3000
1213	Crocker	Bevier	3000
1214	Hillyard	Hillyard	2500
1215	Crocker	Samuelson	2400
1216	Same	Same	2400
1217	Alzina	Alzina	800
1218	Carey	Carey	600
1219	Draper	Draper	500
1220	U S Rubber	Owner	500
1221	Hanschen	Hanschen	400
1222	Hemphill	Ferguson	400
1223	Lyons	Hamill	4400
1224	Mirades	Western	1950
1225	Grasso	Grasso	1500
1226	Taylor	Taylor	900
1227	Winters	Hansbrough	850
1228	Doran	Doran	500
1229	Backe	Casoly	487
1230	Russ	Kuchel	400
1231	Mottet	Moller	400
1232	Rude	Steinonen	700
1233	Associated Oil	Barrett	3940
1234	Waterhouse	Littlefield	3226
1235	Same	Fiberstone	1620
1236	Orsi	Orsi	4000
1237	O'Doherty	Costilla	3800
1238	Weisman	Guttridge	1900
1239	Toy	Toy	1250
1240	Kelleher	Brown	900
1241	Foster	Kleiser	750
1242	Frank	Lindner	650
1243	Sekos	Todhunter	525
1244	Kingwell	Kingwell	7000
1245	Harnes	Becaas	2630
1246	Swenson	Swenson	1900
1247	Carroll	Carroll	900
1248	Title Ins.	Pontanello	900
1249	Graces	Hill	400
1250	Gerhardt	Anderson	8181
1251	Jonas	Fink	4000

#### ELECTRIC SIGN

(1197) CALIFORNIA ST. near Powell  
Electric sign.  
Owner—Johnson & Richmond, Prem..  
Architect—None.  
Contractor—Novelty Elec. Sign Co.,  
165 Eddy, San Francisco.  
COST, \$400

#### PLUMBING, ETC.

(1199) NE BUSH AND MONROE E  
20xN 68-6. Plumbing work, etc., for  
six-story and basement apartments.  
Owner—Gerard Invt. Co., 110 Sutter,  
San Francisco.  
Architect—Rousseau & Rousseau, 110  
Sutter, San Francisco.

Contractor—J. C. James & C. Drucker  
(as James & Drucker), 450 Hayes,  
San Francisco.

Filed June 23, '19. Dated May 27, '19.  
Roughed in ..... \$1578.75  
Completed and accepted ..... 1578.75  
Usual 35 days ..... 1052.50

TOTAL COST, \$4210.00

Bond, \$2105. Sureties, Oscar H. Curtaz  
and Geo. F. Reiter. Limit, 12 days for  
roughing in and 9 days for finish  
plumbing. Forfeit, none. Plans and  
specifications filed.

#### ELECTRIC WORK

(1198) S GEARY bet. Fifth and Sixth  
Ave. All work for electric light  
cabling and signal system.

Owner—The French Hospital, Prem.  
Architect—Jas. T. Ludlow, 604 Mis-  
sion, San Francisco.

Contractor—Browne Langlais Elec.  
Constr. Co.,

Filed June 23, '19. Dated June 18, '19.  
On 1st and 15th of each month 75%  
Usual 35 days ..... 25%

TOTAL COST, \$1199

Bond, none. Limit, 10 days. Forfeit,  
\$40. Plans and specifications filed.

#### RESIDENCE

(1200) N ULLOA 9<sup>th</sup> W Dwight. Two  
story frame residence.

Owner—Fernando Nelson & Sons,

2701 Lincoln Way, S. F.

Architect—None.

Day's work. COST, \$3500

#### ALTERATIONS

1201) NO. 2865 UNION. Alter flats.

Owner—John Erikson, Premises.

Architect—None.

Contractor—W. W. Rednall, 2500

Filbert, San Francisco.

COST, \$1500

#### ALTERATIONS

(1202) NO. 1765 GEARY. Alter

apartments.

Owner—H. Mark, Buchanan near

Washington, San Francisco.

Architect—None.

Contractor—Wm. H. Bertsch, 2201

California, San Francisco.

COST, \$500

#### ALTERATIONS

(1203) NE GEARY AND LAGUNA.

Alter dwelling.

Owner—Auron Miller, 2439 Pacific

Ave., San Francisco.

Architect—None.

Day's work. COST, \$400

#### ALTERATIONS

(1204) NO. 198 JUDAH. Alter resi-

dence.

Owner—T. P. Jacobs, Premises.

Architect—None.

Contractor—J. A. Dahlin, 115 Judah,

San Francisco.

COST, \$400

#### ELECTRIC WORK

(1205) BLOCK BOUNDED BY 17th,  
Connecticut, 16th and Missouri. All  
work for electric work, fixtures, etc.,  
for foundry buildings.

Owner—McKay, Moore & Noble, 17th  
and Texas, San Francisco.

Architect—None.

Contractor—Butte Eng. & Elec. Co.,

683 Howard, San Francisco.

Filed June 24, '19. Dated June 18, '19.

On 1st of each month ..... 75%

Usual 35 days ..... 25%

TOTAL COST, \$5838

Bond, none. Limit, 35 days. Forfeit,

none. Plans and specifications filed.

#### NEW STORE FRONTS

(1206) NE TWENTY-FIRST AND  
Folsom. All work for new store  
fronts in building.

Owner—Mrs. A. Schlicker, 718 Clay-

ton, San Francisco.

Architect—None.

Contractor—Ed. Zinkand & Son, 434

10th Ave., San Francisco.

Filed June 24, '19. Dated June 14, '19.

On completion ..... \$1535

TOTAL COST, \$1535

Bond, limit, forfeit, plans and specifi-

cations, none.

#### SALESROOMS

(1207) SW VAN NESS AVE AND  
Sacramento S 60-4xW 100. All work  
for reinforced concrete Class "B"  
auto salesrooms.

Dwner—Warbur Realty Co., Care Ar-

chitect.

Architect—Sylvain Schnaittacher, 233

Post, San Francisco.

Contractor—Barrett & Hilp, Sharon

Bldg., San Francisco.

Filed June 24, '19. Dated May 29, '19.

On 3rd of each month ..... 75%

Usual 35 days ..... 25%

TOTAL COST not to exceed \$45,500

Bond, \$22,750. Surety, Fidelity & De-

posit Co. of Maryland. Limit, 120

days. Forfeit, none. Plans and

specifications filed.

NOTE:—Contractor to receive \$4500

#### FRAME FLATS

(1208) NE FULTON & FIFTEENTH

Ave 27-6x100. All work except

finish hardware, shades, electric fi-

xtures, gas radiators and wall beds

for two-story frame (4) flats.

Owner—A. and Isabella Bergez, 590

8th Ave., San Francisco.

Architect—J. C. Hladik, 681 Market,

San Francisco.

Contractor—J. Johnson, 771 28th Ave

San Francisco.

Filed June 24, '19. Dated June 25, '19.

Frame up ..... \$2597.50

Brown coated ..... 2597.50

Completed and accepted ..... 2597.50

Usual 35 days ..... 2597.50

TOTAL COST, \$10,390

Bond, \$5195. Sureties, Chas. W. Higgs-

on and Fred N. Reeve. Limit, 90

days. Forfeit, none. Plans and specifi-

cations filed.

#### GARAGE

(1209) N CLAY 176 L Kearny. One-

story brick public garage.

Owner—S. Rasori, 2042 Taylor, S. F.

Architect—None.

Contractor—DeFavera & Rasori, 2042 Taylor, San Francisco.

COST, \$16,000

#### DWELLINGS

(1210) W NINETEENTH AVE 100 & 125 N Balboa. Two one-story frame dwellings.

Owner—Wm. A. Miller Co., 743 5th Ave., San Francisco.

Architect—None.

Day's work. COST, \$4,000 each

#### FLATS

(1211) E TWENTIETH AVE 325 N Cabrillo. Two flats.

Owner—G. T. Gerhardt, 436 20th Ave., San Francisco.

Architect—None.

Contractor—O. E. Anderson, 672 16th Ave., San Francisco.

COST, \$8,000

#### FRAME DWELLING

(1212) E THIRTY-FOURTH AVE 225 N Fulton. One-story frame dwelling.

Owner—Oscar Heyman & Bro., 742 Market, San Francisco.

Architect—None.

Day's work. COST, \$3,000

#### RESIDENCE

(1213) S MUNICH 250 E Cordova. One-story frame residence.

Owner—Crocker Estate Co., Crocker Bldg., San Francisco.

Architect—None.

Contractor—C. D. Bevier, 54 Cordova, San Francisco.

COST, \$3,000

#### ALTERATIONS

(1214) NO. 1442 DELORES. Alter flats.

Owner—Mrs. J. Hillyard, Premises.

Architect—None.

Day's work. COST, \$2,500

#### FRAME COTTAGE

(1215) E NAPLES 100 N Geneva. One-story frame cottage.

Owner—Crocker Estate, Crocker Bldg San Francisco.

Architect—None.

Contractor—A. M. Samuelson, 3732 21st, San Francisco.

COST, \$2,400

#### FRAME RESIDENCE

(1216) N SEVILLE 140 W Cordova. One-story frame residence.

Owner—Crocker Est., Crocker Bldg., San Francisco.

Architect—None.

Contractor—A. M. Samuelson, 3732 21st, San Francisco.

COST, \$2,400

#### ALTERATIONS

(1217) NO. 827 ANZA. Alter residence.

Owner—A. Alzina, Premises.

Architect—None.

Day's work. COST, \$800

#### ALTERATIONS

(1218) NOS. 120-22-24 BUENA VISTA Ave. Alter for garage.

Owner—J. E. W. Carey, Premises.

Architect—None.

Day's work. COST, \$600

#### FRAME DWELLING

(1219) N WAYLAND 120 S San Bruno Ave. One-story frame dwelling.

Owner—J. Draper, 4004 Folsom, S. F.

Architect—None.

Day's work. COST, \$500

#### ALTERATIONS

(1220) NO. 336 SECOND. Alter warehouse and factory.

Owner—U. S. Rubber Co., 50 Fremont, San Francisco.

Architect—None.

Day's work. COST, \$500

#### ALTERATIONS

(1221) NO. 2624 MISSION. Alter office.

Lessee—H. Hanschen, Premises.

Architect—None.

Day's work. COST, \$400

#### ALTERATIONS

(1222) NO. 3011 FILLMORE. Alter store.

Owner—Hemphill Estate, Los Gatos.

Architect—None.

Contractor—Ferguson & Son, 1739 Union, San Francisco.

COST, \$400

#### RESIDENCE

(1223) E TWENTY-FIFTH AVE 284-8 S Anza S 25x E 120. All work for two-story and basement frame residence.

Owner—Jas. J. Lyons and Johanna Lyons, 560 25th Ave., S. F.

Architect—None.

Contractor—Thos. Hamill, 4101 Balboa, San Francisco.

Filed June 25, '19. Dated June 21, '19.

Rough frame up and roof on.....\$1100

Brown coated.....1100

Completed and accepted.....1100

Usual 35 days.....1100

TOTAL COST, \$4400

Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

#### ALTERATIONS

(1224) NO. 1400 FILLMORE. Alter restaurant.

Owner—M. E. Mirades, Premises.

Architect—None.

Contractor—Western Hardware Mfg. Co., 1034 Golden Gate Ave., S. F.

COST, \$1,950

#### FRAME DWELLING

(1225) NE NINETEENTH & RAILROAD Ave., Frame dwelling.

Owner—Natale Grasso, 334 Rail Road Ave., San Francisco.

Architect—None.

Day's work. COST, \$1,500

#### FRAME RESIDENCE

(1226) E GIRARD 100 N Mansell. One-story frame residence.

Owner—Alfred J. Taylor, 218 Wayland, San Francisco.

Architect—None.

Day's work. COST, \$900

#### ALTERATIONS

(1227) NO. 888 HYDE. Alter apartments.

Owner—Winters & Prophet, Premises.

Architect—None.

Contractor—G. W. Hansborough, 380 Bush, San Francisco.

COST, \$850

#### ALTERATIONS

(1228) NO. 141 FIFTH. Build furnace room and lay concrete floor in laundry.

Owner—N. V. Doran, Premises.

Architect—None.

Day's work. COST, \$500

ALTERATIONS

(1229) NO. 2622 SUTTER. Alter flats.

Owner—F. Backe, Premises.

Architect—None.

Contractor—J. P. Casoly, 1322 Lyon, San Francisco.

COST, \$487

#### ALTERATIONS

(1230) NO. 483 BELVEDERE. Alter for garage.

Owner—Mrs. A. L. Russ, Premises.

Architect—None.

Contractor—Chas. J. Kuchel, 432 Belvedere, San Francisco.

COST, \$400

#### ALTERATIONS

(1231) NO. 1030 LEAVENWORTH. Alter residence.

Owner—H. Mottet, Premises.....

Architect—None.

Contractor—Moller & Sons, 180 Jessie, San Francisco.

COST, \$400

#### GARAGE

(1232) NO. 1539 CLAY. Private garage.

Owner—A. W. Rude, 77 O'Farrell, S. F.

Architect—None.

Contractor—S. Steinomen, 3926-a Sacramento, San Francisco.

COST, \$700

#### SERVICE STATION

(1233) NE POST AND MAJON. All work for steel service station.

Owner—Associated Oil Co., Sharon Bldg., San Francisco.

Architect—None.

Contractor—Barrett & Hulp, Sharon Bldg., San Francisco.

Filed June 26, '19. Dated June 10, '19.

Completed and accepted.....75%

Usual 35 days.....25%

TOTAL COST, \$3,940

Bond, \$3,940. Surety, Fidelity & Deposit Co. Limit, forfeit, none. Plans only filed.

#### ALTERATIONS

(1234) NW HOWARD 423 NE Second NE 90xNW 165. Carpenter, sheet metal, glass, hardware and painting for alterations and additions to building.

Owner—Waterhouse & Lester Co., 540 Howard, San Francisco.

Architect—A. W. Cornelius, Merchants National Bank Bldg., S. F.

Contractor—Roscoe W. Littlefield, 565 16th St., Oakland.

Filed June 26, '19. Dated June 24, '19.

Roof boarding in place.....50%

Completed and accepted.....25%

Usual 35 days.....25%

TOTAL COST, \$3,226

Bond, \$1,620. Sureties, Carl T. Doell and Jno. M. Bartlett. Limit, 30 days.

Forfeit, \$5. Plans and specifications filed.

(1235) RECONSTRUCTION OF ROOF on above.

Contractor—Fibrestone & Roofing Co., 199 10th, San Francisco.

Filed June 26, '19. Dated June 24, '19.

Completed.....75%

Usual 35 days.....25%

TOTAL COST, \$1,620

Bond, \$610. Sureties, Jas. Ringrose & Chas. J. Morrison. Limit, forfeit, none. Plans and specifications filed.

ALTERATIONS

(1236) NO. 45 COLUMBUS. Alter hotel and restaurant.

Owner—G. Orsi, Premises.

Architect—P. Righetti, 668 Phelan Bldg., San Francisco.  
Day's work. COST, \$4000

## FLATS

N IRVING 32-6 W 23rd Ave.  
(1237) Two-story (2) flats and garage.  
Owner—Thos. O'Doherty, 996 Valencia St., San Francisco.  
Architect—None.  
Contractor—Costilla, 202 San Carlos Ave., San Francisco.  
COST, \$3800

## ALTERATIONS

(1238) SW ELEVANTH & KISSLING  
Alter flats.  
Owner—Mr. Weisman, 1230 Jackson, San Francisco.  
Architect—None.  
Contractor—P. H. Guttridge, 509 Fredrick, San Francisco.  
COST, \$1900

## ALTERATIONS

(1239) NOS. 219-221 POWELL. Alter candy store and tea room.  
Owner—Geo. B. Toy et al, Manx Hotel San Francisco.  
Architect—Alfred Kuhn, 833 Market, San Francisco.  
Day's work. COST, \$1250

## ALTERATIONS

(1240) NO. 716 MARKET. Alter store  
Owner—Kelleher & Brown, Premises.  
Architect—None.  
Day's work. COST, \$900

## ELECTRIC SIGN

(1241) NO. 945 MARKET. Roof electric sign.  
Owner—Poster & Kleiser Co., 273 Valencia, San Francisco.  
Architect—None.  
Day's work. COST, \$750

## ALTERATIONS

(1242) CHATTANOOGA AND 24TH.  
Alter store.  
Owner—Louis Frank, 3756 24th, S. F.  
Architect—None.  
Contractor—Adolph Lindner, 3762 24th, San Francisco.  
COST, \$650

## ALTERATIONS

(1243) NO. 1111 MARKET. Alter candy store.  
Owner—Louis Sekoo, Premises.  
Architect—None.  
Contractor—G. C. Todhunter, 446 29th Ave., San Francisco.  
COST, \$529

## BUNGALOW, ETC.

(1244) LOT 10 BLK 3135 Westwood Park. All work for one-story bungalow and garage.  
Owner—Katherine C. Kingwell, 3360 Geary St., San Francisco.  
Architect—Chas. F. Strothoff, 2276 15th San Francisco.  
Contractor—Dr. John J. Kingwell, 401 Butler Bldg., San Francisco.  
Filed June 27, '19. Dated June 13, '19.  
Frame up, enclosed & roof on. \$1750  
Brown coated. 1750  
Completed and accepted. 1750  
Usual 35 days. 1750  
TOTAL COST, \$7000  
Bond \$3000. Surety, Wm. A. Kingwell. Limit, 90 days. Forfeit, none.  
Plans and specifications filed.

## ALTERATIONS

(1245) NW MISSION AND EM-barcadero. Erect high wells, elec-

tric wiring, changes in plumbing, painting, sheet metal work and roofing.

Owner—John T. Harnes, 80 Post St., San Francisco.  
Architect—Milton Latham, 454 Montgomery, San Francisco.  
Contractor—Bernard Becas, 915 Pacific St., San Francisco.  
COST, \$2630

## ALTERATIONS

(1246) NO. 741 MARKET. Alter Market.  
Owner—Swenson & Lynch, 3033 16th, San Francisco.  
Architect—O'Brien Bros., 797 Bush, San Francisco.  
Day's work. Cost, \$1900

## ALTERATIONS

(1247) NO. 906 MARKET. Erect 2 new marqueses and mezzanine and new flooring in show windows.  
Owner—Paul T. Carroll, 708 Market, San Francisco.  
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.  
Day's work. COST, \$900

## ALTERATIONS

(1248) NOS. 1533-B-1535 GEARY. Alter candy store.  
Owner—Title Insurance & Guaranty Co., 250 Montgomery, S. F.  
Architect—None.  
Contractor—L. Fontanello, 1920 Pine, San Francisco.  
COST, \$900

## ALTERATIONS

(1249) NO. 174-180 SIXTH. Alter store.  
Owner—Dudley Graces, Premises.  
Architect—None.  
Contractor—J. A. Hill, 1301 Leavenworth, San Francisco.  
COST, \$400

## FRAME FLATS

(1250) E TWENTIETH AVE 325 N Cabrillo N 25xE 120. All work except mantels, tiling, wall paper, gas and electric fixtures, finish hardware for two-story and basement frame (2) flats.  
Owner—Geo. Gerhardt and Geo. Colman, 458 20th Ave., S. F.  
Architect—None.  
Contractor—O. E. Anderson, 672 16th Ave., San Francisco.  
Filed June 28, '19. Dated May 28, '19.  
Roof on. \$262  
1st coat plaster on. 2029  
Completed and accepted. 2029  
Usual 35 days. 2098  
TOTAL COST, \$8185  
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

## ALTERATIONS

(1251) NO. 902 MARKET. All work for new entrance.  
Owner—Milton Jonas, 908 Market St., San Francisco.  
Architect—None.  
Contractor—The Fink & Schindler Co. Inc., 218 13th St., San Francisco.  
Filed June 28, '19. Dated June 13, '19.  
July 18, 1919. \$1500  
On completion. 1500  
Usual 35 days. Balance  
TOTAL COST, \$4000  
Bond, \$2000. Sureties, Ernest Richter and Otto F. Hildebrecht. Limit, none. Forfeit, \$50. Plans and specifications filed.

## NOTICE OF NON-RESPONSIBILITY.

San Francisco County.  
June 27, 1919—S BROADWAY 55 E Polk E 82-6XS 137-6. I Leibes as to improvement on leased property.  
June 21, 1919—SW POWELL AND Ellis S 48xW 75. Benj H Lichtenstein as to improvements on leased property.

## LEASES.

San Francisco County.  
June 25, 1919—E SEVENTEENTH AV 75 N Anza N 25xE 90. Margt Powlson to Jno B Kinsman. 10 months \$200.  
June 26, 1919—SE STEVENSON AND New Montgomery. F J Corr to Jno P Soussens. 10 years, \$18,000; assigned June 4, '18, to Karl Mattheas  
June 4, 1919—N SACRAMENTO 155 E Drumm E 20xN 59-9. City and County of San Francisco to H and W Pierce, Inc. 20 years. \$17.50 per month.

## COMPLETION NOTICES.

San Francisco County.  
RECORDED ACCEPTED  
June 25, 1919—S WASHINGTON 223-9 W Presidio W 37xS 127-8½. Moses Stern to Monson Bros. June 21, 1919  
June 24, 1919—E HOWARD & DORE NE 82xSE 100. O'Brien-Kiernan Realty Co to Kiernan & O'Brien. June 24, 1919  
June 24, 1919—LAKE MERCED Ranch Pumping Station. Spring Valley Water Co to Sage Watson  
June 21, 1919—LOT 3 BLK 3175, Weswood Park. Linnie Morris to Gordon W Morris. June 18, 1919  
June 23 1919—E TWENTY-EIGHTH Ave 205 N California N 25xE 120. Harry B Allen to whom it may concern. June 18, 1919  
June 23 1919—E TWENTY-EIGHTH Ave 230 N California N 25xE 120. Harry B Allen to whom it may concern. June 18, 1919  
June 23 1919—E TWENTY-EIGHTH Ave 180 N California N 25xE 120. Harry B Allen to whom it may concern. June 18, 1919  
June 23 1919—W SHOTWELL 125 S 14th S 25xW 120. J C Leiser to Joel Johnson. June 20, 1919  
June 24, 1919—W TWENTY-SIXTH Ave 200 S Taraval S 25x 125. Ethel R Johnson to whom it may concern. June 16, 1919  
June 24, 1919—W TWENTY-EIGHTH Ave 200 S Anza S 50xW 120. E F Bugbee to whom it may concern. June 23, 1919  
June 24, 1919—W TWELFTH AVE 225 S Lawton S 50xW 120. Knut Anderson to whom it may concern. June 23, 1919  
June 24, 1919—S PACIFIC 92-6 W Grant Ave W 182-6XS 137-6. Senators Garage to White & Gloor. June 17, 1919  
June 24, 1919—NE HYDE & LOMBARD E 137-6xN 275. Carl A Henry to McLaren & Peterson. June 23, '19  
June 27, 1919—LOT 21 BLK 3163, Westwood Park. Hilding Ander-

son to Anderson & Johnson.....  
 June 27, 1919  
 June 27, 1919—NE EIGHTEENTH  
 Ave and Fulton E 32-6xN 50. J A  
 Hammill to Thomas Hammill.....  
 June 26, 1919  
 June 27, 1919—E TWENTY-SIXTH  
 Ave 200 S Geary S 25xE 140.  
 Frederick K Perry to Frederick K  
 Perry..... June 27, 1919

### LIENS FILED.

#### San Francisco County.

June 25 1919—N TWENTY-SECOND  
 37-6 E Dolores E 30xN 94. E A  
 Hoadley vs Josephine Patton.....\$79  
 June 24, 1919—NOS. 2888 And 2890  
 Mission. Leon Blum (as Leon  
 Blum Co) vs Wm Sterling and P  
 E Lyrch .....\$120

### BUILDING CONTRACTS

#### Alameda County.

The following is an index for the  
 contracts for this issue:

No.	Owner	Contractor	Am't.
1273	Perguson	Perguson	250
1274	Fidelity	Davis	568
1275	Same	Miller	1305
1276	Same	Kopp	3555
1277	Trebotich	Owner	—
1278	Moyer	Spencer	10300
1279	Bowring	Bowring	3000
1280	Janssen	Gaba	3000
1281	Maguire	Walker	2500
1282	Harst	Harst	2000
1283	Hinch	Healy	1000
1284	Fok	Estey	2319
1285	Sawyer	Gompertz	2000
1286	Roberts	Roberts	1500
1287	Wihrus	Wihrus	500
1288	Silvernail	Owner	500
1289	Uiman	Texdahl	400
1290	Henshaw	Mealey	6533
1291	Lloyd	Nelson	13329
1292	S P Co	Tibbitts	—
1293	Mueller	Mueller	14000
1294	Muller	Muller	13000
1295	Whalin	Whalin	5700
1296	Nunes	Nunes	7000
1297	Swanson	Calif	6900
1298	Booth	Warner	6700
1299	East Bay	Owner	5000
1300	Leveroni	Gold	2000
1301	Turner	Turner	1900
1302	O'Donnell	Scott	1800
1303	Harrison	McPhee	1500
1304	Hammer	Owner	1200
1305	Bjerke	Hansen	3425
1306	Vail	Vail	6000
1307	Raymond	Rutherford	3200
1308	Monion	Dean	2400
1309	Marquis	Marquis	2200
1310	Huffaker	Owner	2000
1311	Kealey	Philbrick	400
1312	Lynaton	Layton	400
1313	Hayr	Larmer	8500
1314	Peterson	Noble	3000
1315	Ratto	Noble	2600
1316	Suelfliom	Owner	1800
1317	Fetter	Schnebley	1200
1318	Denning	Kerr	950
1319	McDonald	Owner	500
1320	Minium	Owner	446
1321	Reuble	Reuble	400
1322	Corriea	Strang	6500
1323	Howard	Healy	4994
1324	Korth	Pallen	3500
1325	Kinney	Kinney	2500
1326	Stow	Schwalm	800
1327	Barker	Thompson	400
1328	Douglass	Rubinstein	400
1329	Miller	Jones	3000
1330	Pfrang	Pfrang	1950

1331	Rossi	Rossi	400
1332	Kilziker	Nielson	4200
1333	East Bay	Owner	300
1334	MacGregor	Owner	3000
1335	MacGregor	Owner	3000
1336	MacGregor	Owner	2950
1337	MacGregor	Owner	2900
1338	MacGregor	Owner	2875
1339	MacGregor	Owner	2850
1340	Lesser	Walker	500
1341	Wright	Smith	450
1342	Wiebel	Warren	4735
1343	Hamilton	Sims	33000

(1273) E HIGH 600 N Virginia, Oak-  
 land. One-story 5-room dwelling.  
 Owner—Joseph E. Ferguson, 4336  
 Evans Ave., Oakland.  
 Architect—None.  
 Day's work. COST, \$2500

(1274) SE GROVE AND BLAKE,  
 Berkeley. All work for lathing and  
 plastering two one-story dwellings.  
 Owner—Fidelity Mortgage Securities  
 Co. of Calif., 1st National Bank  
 Bldg., Berkeley.  
 Architect—W. H. Ratcliff Jr., 1st Na-  
 tional Bank Bldg., Berkeley.

Contractor—Elmer Davis, 2009 Min-  
 nesota Ave., Oakland.  
 Filed June 23, '19. Dated June 2, '19.  
 On 1st and 15th each month..... 75%  
 Usual 35 days..... 25%  
 TOTAL COST, \$568

Bond, none. Limit, as soon as pos-  
 sible. Forfeit, none. Plans and  
 specifications filed.

(1275) (1) NW YORK DRIVE AND  
 HOLLY PLACE; (2) SW YORK DRIVE &  
 HOLLY PLACE; (3) W CHETWOOD 160  
 S Santa Rosa Ave., Oakland. All  
 work for lathing and plastering  
 three one-story dwellings.

Owner—Fidelity Mortgage Securities  
 Co. of Calif., 1st National Bank  
 Bldg., Berkeley.

Architect—W. H. Ratcliff Jr., 1st Na-  
 tional Bank Bldg., Berkeley.

Contractor—R. A. Miller.  
 Filed June 23, '19. Dated June —, '19.  
 On 10th and 25th of each month 75%  
 Usual 35 days..... 25%  
 TOTAL COST, \$1305

Bond, limit, forfeit, none. Plans and  
 specifications filed.

(1276) CARPENTER WORK ON  
 above.

Contractor—H. J. Kopp, Oakland and  
 W. J. Jordan, Alameda.

Filed June 23, '19. Dated June —, '19.  
 Payments same as above.....

TOTAL COST, \$3555  
 Bond, limit, forfeit, none. Plans and  
 specifications filed.

(1277) W WOOD bet. 9th and 10th,  
 Oakland. All work for one-story  
 dwelling.

Owner—John Trebotich, 1770 7th, Okd

Architect—None.

Day's work.

Filed June 23, '19. Dated —, —.  
 TOTAL COST, \$—

Bond, limit, forfeit, none. Plans and  
 specifications filed.

(1278) E LAKE SHORE AVE 55 S  
 Lake Park, Oakland. Two-story 20  
 room apartments and garage.

Owner—Dr. J. J. Moyer, Thayer Bldg.,  
 Oakland.

Architect—None.  
 Contractor—E. A. Spencer, 577 Apgar  
 Oakland.

COST, \$10,300

(1279) N MCKINLEY AVE 25 W Alma  
 Ave., Oakland. One-story 6-room  
 dwelling.

Owner—H. F. Bowring, 3449 Laguna  
 Ave., Oakland.

Architect—None.

Day's work. COST, \$3000

(1280) S FIFTY-SEVENTH 110 W  
 Grove, Oakland. One-story 6-room  
 dwelling.

Owner—E. A. Janssen, Hearst Bldg.,  
 San Francisco.

Architect—None.

Contractor—J. W. Gaba, 5782 Shafter  
 Ave., Oakland.

COST, \$3000

(1281) NE TWENTY-SECOND AVE  
 and E-28th, Oakland. One and one-  
 half-story 6-room dwelling.

Owner—Thos. Maguire, 22nd Ave and  
 E-28th, Oakland.

Architect—L. F. Hyde, 26th Ave.,  
 Oakland.

Contractor—S. C. Walker, 23rd Ave &  
 E-27th, Oakland.

COST, \$2500

(1282) W GREENWOOD AVE 11 S  
 Fleet Road, Oakland. One-story 3-  
 room dwelling.

Owner—W. A. Harst.

Architect—None.

Day's work. COST, \$2000

(1283) NW SEVENTH AND CENTER  
 Berkeley. Alterations.

Owner—J. F. Hinch, Federal Bldg.,  
 Berkeley.

Architect—None.

Contractor—P. J. Healy, 842 37th,  
 Berkeley.

COST, \$1000

(1284) N HEARST AVE 45 W  
 Franklin, Berkeley. One-story 4-  
 room dwelling.

Owner—Henrietta Fok, Cor. College &  
 Broadway, Oakland.

Architect—None.

Contractor—G. F. Estey, 1815 Hearst  
 Ave., Berkeley.

COST, \$2319

(1285) W BONITA AVE 197 N Berry-  
 man, Berkeley. One-story 4-room  
 dwelling.

Owner—Kate Gompertz and Blanch  
 Sawyer, 1228 Bonita, Bkly.

Architect—None.

Contractor—C. W. Gompertz, Sequoia  
 Apts., Berkeley.

COST, \$2000

(1286) S HEARST AVE 100 E Curtis  
 Berkeley. One-story 5-room dwlg.

Owner—W. L. Roberts, 1323 Curtis,  
 Berkeley.

Architect—None.

Contractor—C. B. Roberts, 1823 Curtis  
 Berkeley.

COST, \$1500

(1287) NO. 151 HILL CREST ROAD,  
 Berkeley. Replaster.

Owner—Thos. H. Wihrus, Premises.

Architect—None.

Day's work. COST, \$500

(1288) NO. 2315 JEFFERSON, Ber-  
 keley. Repairs and garage.

Owner—O. F. Silvernail, Premises.

Architect—None.

Day's work. COST, \$500

(1289) NO. 1909 ASHBY AVE., Ber-  
 keley. Reshingle.

Owner—Ulman, Premises.  
Architect—None.  
Contractor—C. Texdahl, 2035 Harper, Berkeley. COST, \$400  
(1290) N THIRTEENTH 100 E Alice E 103 N 200 W 94 S 100 W 9 S 100, Okd. Brick and terra cotta work for garage and store building.  
Owner—William G. Henshaw, Mills Bldg., San Francisco.  
Architect—A. W. Pattiani, 625 Market San Francisco.  
Contractor—Mealey & Collins, 180 Jessie, San Francisco.  
Filed June 24, '19. Dated June 9, '19. Walls ready for roof trusses.....\$2500  
Completed and accepted.....2399  
30 days after.....1634  
TOTAL COST, \$6533  
Bond, \$3300. Sureties, J. E. MacCormack and Wm. Makin. Limit, 25 days. Forfeit, \$15. Plans and specifications filed.

(1291) E HARRISON 658 N 12th N 56xE 150, Oakland. All work for one-story reinforced concrete garage.  
Owner—John E. and Thomas H. Lloyd 2651 Seminary Ave., Oakland.  
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.  
Contractor—A. D. Nelson and Chas. Forsyth (Nelson & Forsyth), 565 16th, Oakland.  
Filed June 24, '19. Dated June 21, '19. Concrete forms in place and steel set.....\$1800  
Ready to pour concrete.....1600  
Concrete wall poured.....2200  
Concrete floor poured.....1700  
Completed and accepted.....2603  
Usual 35 days.....3426  
TOTAL COST, \$13,329  
Bond, \$6665. Sureties, Delbert W. and Mary Lillian Robertson and Mary E. Nelson. Limit, 30 days. Forfeit, \$15. Plans and specifications filed.

(1292) LONG WHARF, Oakland. Extend time for demolishing Long Wharf for 120 days.  
Owner—Director General Railroads, Southern Pacific Railroad.  
Architect—None.  
Contractor—Tibbitts-Pacific Co., 16 California, San Francisco.  
Filed June 23, '19. Dated June 11, '19.  
TOTAL COST, \$—

(1293) NW E-FOURTEENTH AND 46th Ave., Oakland. One-story reinforced concrete factory.  
Owner—Mueller Bros., Call Bldg., San Francisco.  
Architect—P. D. Boese.  
Day's work. COST, \$14,000

(1294) SE TWENTY-FOURTH AND Webster, Oakland. One-story brick auto accessory building.  
Owner—Muller & Faulkner, Oakland.  
Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.  
Contractor—F. A. Muller, Syndicate Bldg., Oakland.  
COST, \$13,000

(1295) N FORTY-FIRST 90 and 130 E Webster, Oakland. Two one-story 5-room dwellings.  
Owner—J. F. Whalin, 407 Federal Bldg., Oakland.  
Architect—None.  
Day's work. COST, \$2850 each

(1296) NW CHABOT ROAD AND Elsie Ave., Oakland. Two-story 8-room dwelling.

Owner—Geo. Nunes, 5439 Dover, Okd. Architect—None.  
Day's work. COST, \$7000  
(1297) W LAKESHORE AVE 440 N Lake Park, Oakland. Two-story 12 room apartments.  
Owner—K. Swanson, 1534 Franklin, Oakland.  
Architect—None.  
Contractor—California Builders Co., 1534 Franklin, Oakland.  
COST, \$6900

(1298) S E-FIFTEENTH 150, 179, 208 and 237 W 41st Ave., Oakland. Four one-story 4-room dwellings.  
Owner—Booth Fredericks Realty Co., 928 16th, Oakland.  
Architect—L. F. Hyde, 26th Ave., Oakland.  
Contractor—S. A. Warner, 4606 Brookdale Ave., Oakland.  
COST, \$1650 each

(1299) N SIXTEENTH 100 W Telegraph Ave., Oakland. Foundation for four-story Class "C" building.  
Owner—East Bay Water Co., 9th and Broadway, Oakland.  
Architect—Wm. Knowles, Central Bk. Bldg., Oakland.  
Day's work. COST, \$5000

(1300) N SANTA CLARA AVE 200 N Grand Ave., Oakland. One-story 4-room dwelling.  
Owner—C. Leveroni, 462 Crescent, Oakland.  
Architect—None.  
Contractor—Francis E. Gold, 731 Cleveland Ave. Oakland.  
COST, \$2000

(1301) NE FIFTH AND CAMPBELL, Oakland. Alterations.  
Owner—A. E. Turner, Premises.  
Architect—None.  
Day's work. COST, \$1900

(1302) SW TWENTY-THIRD AND Webster, Oakland. Tile floor.  
Owner—J. R. O'Donnell, 3703 Leighton Ave., Oakland.  
Architect—None.  
Contractor—Scott Co., 243 Minna, San Francisco.  
COST, \$1800

(1303) NO. 2800 BROADWAY, Oakland. Fire repairs.  
Owner—H. O. Harrison, Premises.  
Architect—None.  
Contractor—A. J. McPhee, 2141 E-27th Oakland.  
COST, \$1500

(1304) E SEMINARY AVE, Leona Heights, Oakland. One-story four-room dwelling.  
Owner—Adam Hammer, Oakland.  
Architect—None.  
Day's work. COST, \$1200

(1305) LOT 7 BLK "H" being S Pacific Ave 49 E Benton, Alameda. All work for one-story dwelling.  
Owner—S. Bjerke, C. Hansen and S. B. Davis, 1715 Arbor, Alameda.  
Architect—None.  
Contractor—C. Hansen, 1714 9th St., Alameda.  
Filed June 24, '19. Dated June 23, '19. Frame up.....\$1000  
Brown coated.....900  
Completed.....725  
Usual 35 days.....800  
TOTAL COST, \$3425

Bond, none. Limit, 60 days. Forfeit, none. Specifications only filed.

(1306) S E-TWENTY-THIRD 100 E 7th Ave., Oakland. Two-story 7-room dwelling.  
Owner—Emma C. Vail, 2242 7th Ave., Oakland.  
Architect—C. N. Burrell, 1st Savings Bank Bldg., Oakland.  
Contractor—H. R. Vail, 725 E-23rd, Oakland.  
COST, \$6000

(1307) S MCKINLEY AVE 58 E Athol Ave., Oakland. One-story 5-room dwelling.  
Owner—Raymond D. Jones, 38 Cambridge Ave., San Leandro.  
Architect—A. W. Smith, 1010 Broadway, Oakland.  
Contractor—Tom Rutherford, 985 35th Oakland.  
COST, \$3200

(1308) NO. 2417 DELMAR, Oakland. One-story 5-room dwelling.  
Owner—N. Monlon, Premises.  
Architect—None.  
Contractor—C. M. Dean, 2025 Damuth Oakland.  
COST, \$2400

(1309) W DIVISION 250 S Hampel, Oakland. One and one-half-story 5 room dwelling.  
Owner—E. M. Marquis, 2827 Russell, Berkeley.  
Architect—None.  
Day's work. COST, \$2200

(1310) E FAIRFAX AVE 84 S Bond, Oakland. One-story 5-room dwlg.  
Owner—E. Huffaker, 3394 High, Okd. Architect—None.  
Day's work. COST, \$2000

(1311) NO. 1359 E-THIRTY-7th, Okd. Alterations.  
Owner—J. Knealey, Premises.  
Architect—None.  
Contractor—O. S. Philbrick, 1385 E-38th, Oakland.  
COST, \$400

(1312) NO. 2415 HUMBOLDT, Oakland. Shed.  
Owner—Wm. J. Layton, 2829 Chestnut Oakland.  
Architect—None.  
Day's work. COST, \$400

(1313) SE GARBER & COLLEGE Ave., Berkeley. Two-story 16-room apartments.  
Owner—J. Hayr, Denver, Colo.  
Architect—None.  
Contractor—Edw. Larmer, 470 Boulevard Way, Oakland.  
COST, \$8500

(1314) NO. 1363 BROADWAY, Alameda. One-story 5-room dwelling.  
Owner—Effa G. Peterson, 1818 Mulberry, Alameda.  
Architect—None.  
Contractor—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.  
COST, \$3000

(1315) NO. 1367 BROADWAY, Alameda. One-story 5-room dwelling.  
Owner—A. L. Ratto, Bay Farm Island Alameda.  
Architect—None.  
Contractor—G. H. Noble, 2205 Santa Clara Ave., Alameda.  
COST, \$2600

(1316) NO. 478 CENTRAL AVE., Alameda. One-story 3-room dwelling.

Owner—G. H. Suedelohm, Premises.

Architect—None.

Day's work. COST, \$1500

(1317) NO. 2424 CENTRAL AVE., Alameda. Alterations.

Owner—Ernest Petter, 21st & Webster, Oakland.

Architect—None.

Contractor—Schnebly & Hostrawser, 6th and Jackson, Oakland.

COST, \$1200

(1318) NO. 3238 FAIRVIEW AVE., Alameda. Alterations.

Owner—Mr. Denning, Premises.

Architect—None.

Contractor—W. G. Kerr, 2253 Alameda Ave., Alameda.

COST, \$950

(1319) NO. 1442 MORTON, Alameda. Alterations.

Owner—Chas. McDonald, Premises.

Architect—None.

Day's work. COST, \$500

(1320) NO. 1122 BAY, Alameda. Garage.

Owner—Willis Minuim, Premises.

Architect—None.

Day's work. COST, \$446

(1321) NO. 758 EAGLE AVE., Alameda. Addition.

Owner—G. Reuble, Premises.

Architect—None.

Day's work. COST, \$400

(1322) SW WELDON AND VERMONT being Lot 50 Map Grand Ave. Terrace, Oakland. All work for two-story dwelling.

Owner—M. F. Corriea, 531 E-21st St., Oakland.

Architect—M. I. Diggs, Union Bank Bldg., Oakland.

Contractor—F. N. Strang, 1405 Central Ave., Alameda.

Filed June 26, '19. Dated May 25, '19. On presentation of bills.....

TOTAL COST, \$6500

Bond, noné. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(1323) FOOT MARKET, ST., Oakland. All work for repairs to wharf.

Owner—Howard Co., 1st and Market, Oakland.

Architect—None.

Contractor—Healy Tibbitts Constr. Co., 9 Main St., San Francisco.

Filed June 26, '19. Dated June 24, '19. Completed and accepted.....\$494

TOTAL COST, \$494

Bond, \$2500. Sureties, National Surety Co. Limit, 18 days. Forfeit, none. Specifications only filed.

(1324) N SHAFTER AVE 768 E College Ave., Oakland. One-story 5-room dwelling.

Owner—Chas. Korth, 597 Appar, Okd. Architect—None.

Contractor—A. H. Pallen, 686 61st, Oakland.

COST, \$3500

(1325) W WEBSTER \$0 N 43rd, Oakland. One-story 5-room dwelling.

Owner—C. H. Kinney, 560 62nd, Okd. Architect—None.

Day's work. COST, \$2500

(1326) NE NEWTON AND STOW, Oakland. Addition.

Owner—Garfield Stow, Oakland. Architect—None.

Contractor—Harry Schwalm, 721 Main St., Hayward.

COST, \$800

(1327) NO. 426 THIRTEENTH, Oakland. Alterations.

Owner—Mrs. P. L. Barker, Premises. Architect—None.

Contractor—E. S. Thompson & Son, 3656 Broadway, Oakland.

COST, \$400

(1328) NO. 1717 LINDEN, Oakland. Garage.

Owner—E. Douglass, Premises.

Architect—None.

Contractor—K. Rubinstein, 668 6th, Oakland.

COST, \$400

(1329) W ALAMEDA 304 N Marin, Berkeley. One-story 6-room dwlg.

Owner—W. S. Miller, 2100 Shattuck Ave., Berkeley.

Architect—None.

Contractor—A. M. Jones, 2100 Shattuck Ave., Berkeley.

COST, \$3000

(1330) N CEDAR 68 W 10th, Berkeley. One-story 5-room dwelling.

Owner—C. J. Pfrang, 480 Forest St., Oakland.

Architect—None.

Day's work. COST, \$1950

(1331) NO. 2302 TELEGRAPH AVE., Berkeley. Alterations.

Owner—G. Rossi & Co., 465 12th, Okd. Architect—None.

Day's work. COST, \$400

(1332) FIFTY-SIXTH 100 NW Dover, Oakland. All work for two-story frame dwelling.

Owner—Edward Kletzer, 1514 Jackson, Oakland.

Architect—None.

Contractor—Holger Nielson, 4127 24th St., San Francisco.

Filed June 27, '19. Dated June 20, '19. Frame up.....\$1053.75

Brown coated.....1053.75

Completed and accepted.....1053.75

Usual 35 days.....1038.75

TOTAL COST, \$4200.00

Bond, \$2107.50. Surety, O. F. Bauer. Limit, 60 days after June 23. Forfeit, none. Plans and specifications none.

(1333) N FORTIETH near Cerrito Ave., Oakland. Reservoir cover.

Owner—East Bay Water Co., 9th & Broadway, Oakland.

Architect—None.

Day's work. COST, \$3000

(1334) NW FIFTY-NINTH AND Marshall, Oakland. One and one-half-story 6-room dwelling.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$3000

(1335) S BAY VIEW PLACE 110 W 11th Ave., Oakland. One and one-half-story 7-room dwelling.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. Cost, \$3000

(1336) S BAY VIEW PLACE 35 W 11th Ave., Oakland. One and one-half-story 6-room dwelling.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$2950

(1337) S BAY VIEW PLACE 227 W 11th Ave., Oakland. One and one-half-story 7-room dwelling.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$2900

(1338) S BAY VIEW PLACE 227 W 11th Ave., Oakland. One and one-half-story 6-room dwelling.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$2875

(1339) S BAY VIEW PLACE 149 W 11th Ave., Oakland. One and one-half-story 6-room dwelling.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$2850

(1340) SW TENTH AND WASHINGTON, Oakland. Alterations.

Owner—Lesser Bros., 9th and Washington, Oakland.

Architect—None.

Contractor—F. G. Walker, 366 4th, Oakland.

COST, \$500

(1341) NO. 4172 HOWE, Oakland. Addition.

Owner—Mrs. Wright, Premises.

Architect—None.

Contractor—Frank Smith, 2230 17th Ave., Oakland.

COST, \$450

(1342) N 35 LOT 12 BLK 1 Map The Highlands, Berkeley. All work except electric fixtures, shades and furnace for one-story and basement frame dwelling.

Owner—O. W. Weibel, 6207 Hillegass Ave., Berkeley.

Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.

Contractor—C. H. Warren, 2257 Fulton St., Berkeley.

Filed June 28, '19. Dated June 18, '19. Frame up..... $\frac{1}{4}$

Plastered..... $\frac{1}{4}$

Completed and accepted..... $\frac{1}{4}$

Usual 35 days..... $\frac{1}{4}$

TOTAL COST, \$4735

Bond, none. Limit, 65 days. Forfeit, none. Plans and specifications filed.

ward Park, Oakland. All work for (1343) PTN. LOT 19 BLK 10 Boulevard and one-half-story six-room dwelling.

Owner—E. V. Hamilton, Oakland.

Architect—None.

Contractor—Wm. H. Sims, 1926 64th Ave., Oakland.

Filed June 28, '19. Dated June 21, '19. Frame up..... $\frac{1}{4}$

Plastered..... $\frac{1}{4}$

Completed and accepted..... $\frac{1}{4}$

Usual 35 days..... $\frac{1}{4}$

TOTAL COST, \$3300

Bond, limit, forfeit, none. Plans and specifications filed.

**SACRAMENTO FILTRATION BONDS CARRY.**

SACRAMENTO, Cal.—This city has voted \$1,800,000 to finance the construction of a modern filtration plant and water works.

## BUILDING CONTRACTS.

## Fresno County.

LOTS 9 AND 10 BLK 6 North Park Terrace, Fresno. Dwelling and garage.

Owner—J. H. Stivers, 3452 Illinois St., Fresno.  
Architect—None.  
Day's work. COST, \$5000

LOTS 3, 4, 5, 6, 7 AND 8 BLY 11, Fresno Heights No. 2, Fresno. Three dwellings and garages.

Owner—C. E. Brogdon, 3701 McKenzie St., Fresno.  
Architect—None.  
Contractor—G. H. Stivers, 3452 Illinois St., Fresno.  
COST, \$3000 each

LOTS 95 AND 96, Ingersoll Tract, Fresno. Dwelling and garage.

Owner—Ben Epstein, 1910 Mariposa St., Fresno.  
Contractor—G. H. Stivers, 3452 Illinois St., Fresno.  
COST, \$8000

LOTS 1, 2, AND 3 BLK 91, Fresno. Store building.

Owner—Geo. H. Bernard.  
Architect—None.  
Contractor—A. Allen, 259 Blackstone St., Fresno.  
COST, \$23,500

NO. 1300 ROOSEVELT AVE., Fresno. Frame dwelling.

Owner—Ray Burnham, 335 Poplar St., Fresno.  
Architect—None.  
Contractor—J. L. Berg, Fresno.  
COST, \$2750

LOTS 22 AND 23 BLK 1, Forthcamp Addition, Fresno. Store building.

Owner—P. T. Ryan, 440 Poplar St., Fresno.  
Architect—None.  
Day's work. COST, \$7000

LOT 5 BLK 15, Hazelwood, Fresno. Frame dwelling and garage.

Owner—Thos. Montgomery, 274 Thesta St., Fresno.  
Architect—None.  
Contractor—Reese & Atkins, 3643 Platt St., Fresno.  
COST, \$3900

Recorded June 23, 1919—Accepted LOT 22 N ½ Lot 21 Blk 1, Palm Heights Addition, Fresno. K C Buwalda to whom it may concern. June 21, 1919

LOTS 15 AND 16 BLK 234, Fresno. Dwelling.

Owner—Blackwell Bldg. Co., 210 Trust Co. Bldg., Fresno.  
Architect—None.  
Day's work. COST, \$5000

LOTS 15, 16, 17 AND 18 BLK 1, La Sierra Tract, Fresno. Two dwellings.

Owner—C. C. L. & I Co., Fresno.  
Architect—None.  
Contractor—R. C. Blackwell, 210 Trust Co. Bldg., Fresno.  
COST, \$4000 each

LOTS 15 AND 16 BLK 25, Fresno. Store building.

## BUILDING AND ENGINEERING NEWS

Owner—P. Broches, Fresno.  
Architect—None.  
Contractor—Prichard Bros., 2970 Illinois St., Fresno.  
COST, \$4000

LOT 5 BLK 12, Wilson North Fresno Tract, Fresno. Frame dwelling and garage.

Owner—Geo. Miller, Fresno.  
Architect—None.  
Contractor—E. J. Farr, 245 Forthcamp St., Fresno.  
COST, \$6650

LOTS 35 AND 36 BLK 4, Fresno Hts. No. 2, Fresno. Dwelling and garage.

Owner—McMurry & McCabe, 837 "I" St., Fresno.  
Architect—None.  
Contractor—Reese & Atkins, 3643 Platt St., Fresno.  
COST, \$2500

SANTA FE RESERVATION, Fresno. Warehouse.

Owner—E. Y. Foley, 608 Rowell Bldg., Fresno.  
Architect—None.  
Day's work. COST, \$1500

LOT 8 E ½ LOT 7 BLK 33, Belmont Addition, Fresno. Dwelling and garage.

Owner—R. M. Klein, Fresno.  
Architect—None.  
Contractor—E. H. Horner, Clinton St., near Palm St., Fresno.  
COST, \$3500

LOTS 21 AND 22 BLK 10, Altamont Addition, Fresno. Frame dwelling and garage.

Owner—Mrs. S. M. Roberts, 205 Blackstone St., Fresno.  
Architect—None.  
Contractor—A. Nicholson, 903 Palm St., Fresno.  
COST, \$15,000

LOTS 23 AND 24 BLK 4, College Addition, Fresno. Frame dwelling and garage.

Owner—Jno. G. Porter, 950 Cambridge St., Fresno.  
Architect—None.  
Day's work. COST, \$7000

## BUILDING CONTRACTS.

## Sacramento County.

S 100 LOT 8, H. I. 17th and 18th Sts., Sacramento. Addition to dwelling.

Owner—Mrs. Kath. Meister, 1705 I St., Sacramento.  
Architect—None.  
Contractor—A. W. Norris, 3012 G St., Sacramento.  
COST, \$1600

LOT 4 Smith Tract, Sacramento. Frame dwelling.

Owner—R. Stefani, 5020 L St., Fresno.  
Architect—None.  
Day's work. COST, \$2200

LOT 9 BLVD. PARK, Sacramento. Two-story frame dwelling.

Owner—A. G. Folger, Peoples Savings Bank, Sacramento.  
Architect—None.  
Contractor—W. R. Saunders, 3770 4th Ave., Sacramento.  
COST, \$8467

E ½ LOT 3, X, Y, 15th and 16th Sts., Sacramento. Alter dwelling.

Owner—T. Mayrikay, Sacramento.  
Architect—None.  
Contractor—A. W. Norris, 3012 G St., Sacramento.  
COST, \$2800

LOT 1, L, M, 5th and 6th Sts., Sacramento. Building.

Owner—Ida M. Foster, Sacramento.  
Architect—None.  
Contractor—Geo. D. Hndnutt Inc., 211 California Fruit Bldg., Sacramento.

Filed June 23, '19. Dated June 17, '19. Limit, 70 days. COST, \$16,850

E 40 LOT 108 H. J. Goethes Addition, Sacramento. One-story dwelling.

Owner—R. Kennell, Sacramento.  
Architect—None.  
Contractor—W. B. Phillips, 4139 4th Ave., Sacramento.  
COST, \$2000

W ½ LOT 6, N. J. 20th and 21st Sts., Sacramento. One-story brick paint shop.

Owner—R. Charleville, 2019 O St., Sacramento.  
Architect—None.  
Contractor—W. L. Chatterton, 3162 Serra Way, Sacramento.  
COST, \$3600

LOT 9 Blvd. Park, Sacramento. Two-story dwelling.

Owner—A. L. Folger, Sacramento.  
Architect—None.  
Contractor—W. R. Saunders, 2614 I St., Sacramento.  
COST, \$9000

## BUILDING CONTRACTS.

## San Joaquin County.

BUILDING LOT 6 BLK 11 Yosemite Terrace, Stockton. Building.

Owner—Raymond G. Wilkins, Stockton.  
Architect—None.  
Contractor—F. R. Zinck, 143 Maple St., Stockton.  
Dated June 23, 1919. Limit, 75 days.  
COST, \$3645

EAST ST., bet. Acacia and Poplar Sts., Stockton. Erect factory.

Owner—H. H. Grow, 631 N-Hunter St., Stockton.  
Architect—None.  
Day's work. COST, \$3500

STANISLAUS ST., bet. Channel and Miner, Stockton. Apartment house.

Owner—A. J. McPhee, 5 California Apartments, Stockton.  
Architect—None.  
Day's work. COST, \$10,000

MURPHY TRACT, Stockton. Frame building.

Owner—J. Kaufman, 730 A St., Stockton.  
Architect—None.  
Day's work. COST, \$3820

RED BLUFF, Tehama Co., Cal.—Olmost & Gillelen, Hollingsworth Bldg., Los Angeles, are preparing plans for a municipal water system for Red Bluff.



**NOTICE TO CONTRACTORS.**

SEALED proposals for reconstructing the Workman's Bar Bridge, located within the Plumas National Forest, State of California, County of Plumas, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Bldg., San Francisco, Cal., until **2:00 P. M. o'clock on the 17th day of July, 1919**, at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The location is about one-quarter mile from the Workman's Bar siding on the Western Pacific Ry., 50 miles above Oroville, Cal.

The work consists of removing the present bridge and reconstructing, using the existing cables, hangers, saddles, and salvaged hardware. About 29 M. B. M. of sawed lumber, 4 round posts 10 ft. long, and 3700 lbs. of additional hardware will be required, together with 40 cu. yds. of Class "B" Concrete.

The work embraced in this contract shall be completed within 90 weather working days (page 10).

The contract form and the maps, plans, specifications, and estimates of quantities may be examined by responsible contractors at the following addresses:

886 Mills Bldg., San Francisco, Cal.  
Forest Supervisor, Quincy, Cal.

All proposals must be made on forms, and in accordance with instructions, forming a part of the specifications above referred to.

E. J. FINCH,  
District Engineer.

**STREET WORK BIDS WANTED.**

**SALINAS, Monterey Co., Cal.**—Bids will be received by the City Council up to July 14th, 8 P. M., for the following work:

Grading and constructing an oil macadam roadway 20 feet wide on Abbott street from Summer street to Spring and Abbotts' Addition.

Grading that portion of Auburn street from Church to Cayuga streets and constructing a waste rock street surface together with concrete curbs and gutters along both sides of the roadway.

Grading and constructing an oil macadam roadway 20 feet wide on Market street near Vale street.

Grading and constructing an oil macadam roadway 18 feet wide on Cemetery Road from the S end of Abbott street to the NW end of State highway at the city limits.

Grading that portion of Cassidy St. from Central avenue to Archer street, and constructing thereon a waste rock street surface together with concrete curbs and gutters.

Grading the roadway of that portion of Archer street from Capitol street to Cassidy street and constructing thereon a waste rock street surface, together with concrete curbs and gutters.

M. R. Keefe is City Clerk.

**STREET WORK BIDS WANTED.**

**RICHMOND, Contra Costa Co., Cal.**—The City Council, A. C. Faris, City Clerk, will receive bids up to 8:30 P.

M., July 7th, for the following work:

That Twenty-fifth, Twenty-sixth and Twenty-eighth streets, between the N and S boundary lines of Richmond Fifth Addition, be paved with cement concrete base, and a wearing surface of asphalt and broken rock; curbs, gutters, sidewalks, and wing walls of cement concrete be constructed and that curbs and gutters of cement concrete be reconstructed on Twenty-fifth street, between Richmond Fifth Addition and Grant Ave.

**GOVERNMENT BIDS WANTED. SUPPLIES FOR THE NAVY**—Bureau of Supplies and Accounts, Navy Department, Washington, D. C.—Sealed proposals are wanted under schedules as indicated below for furnishing miscellaneous supplies for the Navy. The date of opening is noted at the end of each paragraph.

Schedule 4132, for Brooklyn, Mare Island, and Norfolk, various kinds of pumps, opening July 22.

Schedule 4135, for eastern and western yards, brass voice tubing, opening July 22.

Schedule 4137, eastern & western yards, steel and brass machine screws, opening July 22.

Schedule 4136, eastern & western yards, spur geared and worm geared chain hoists, opening July 15.

Schedule 4152, eastern & western yards, 5,600 sheets non-scatterable glass, opening July 8.

Schedule 4153, Mare Island, galvanized sheet steel, opening July 15.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

**PANAMA CANAL SUPPLY BIDS WANTED.**

**PANAMA CIRCULAR, 1286**—Office General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed bids are wanted until July 9, under circular 1286, for steel, brass, bronze, copper, brass and copper tubing and pipe, bell metal, bearing metal, solder, nails, iron or steel pipe, pipe fittings, vitrified pipe, fire clay, soap, pipe dies, hose, pipe covering, gaskets, oakum, packing, felt, cocoanut fiber, paint brushes, glass, welding gloves, harness, cotton thread, pens, blank books, paper and lumber. For information address above.

**BRAWLEY, Imperial Co., Cal.**—Until 4:30 P. M., July 7, bids will be received by the trustees of the Brawley School District for completing the school building on Imperial avenue in accordance with plans by Architect Don W. Wells and on file at his office in El Centro. Bids will be taken

separately for cement work, plastering, plumbing, heating, electric wiring, painting and mill work. Certified check for 5% required with each bid. J. A. Sheffield, Clerk.

**HIGHWAY CONTRACT SUB-LET.**

**REDDING, Shasta Co., Cal.**—De Waard Bros. have been given a sub-contract for building all the concrete culverts on the Redding-Tower House unit of the Weaverville lateral for \$40,000 by Contractor F. Roland of San Francisco.

**BRIDGE CONTRACTS AWARDED.**

**FRESNO, Fresno Co., Cal.**—The County Supervisor have awarded a contract to J. E. Mitchell, 206 Strauther St., Fresno, for reconstructing the swings and flooring of the Herndon bridge on his bid of \$8,960 being the lowest of a number received. At the same meeting the Supervisors awarded the contract for paving the bridge to Huge Crumme, Hearst Bldg., San Francisco, whose bid of \$2249.31, was the lowest. There are 12,235 feet of paving to be done.

**SEWER WORK PLANNED.**

**STOCKTON, San Joaquin Co., Cal.**—The City Council has passed a resolution of intention providing for the following work:

That a 6-inch lateral sewer be constructed on East street, from a point 132.6 feet S of the S line of Lafayette street to a point 10.1 feet N of the S line of Hazelton avenue, together with house branches, manholes, "Y" and curved branches.

G. W. Pulich is City Clerk.

**OUTLET SEWER BIDS WANTED.**

**PORTLAND, Ore.**—Bids received by the City Council for the construction of the proposed big channel outlet sewer have been rejected and new bids have been ordered received up to June 27. The estimated cost of construction is placed at \$275,000. The low bid submitted on the last call for bids was \$391,700.

**SEWER BONDS.**

**WILLOWS, Glenn Co., Cal.**—An election has been called for July 8th to decide the question of issuing and selling bonds of \$40,000 with which to finance construction of a sewer system in parts of Willows not included in the original sewer district. Plans for the work have already been completed.

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# **Iron work**

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## **Michel & Pfeffer IRON WORKS**

Phone Market 730 - 731

1415 Harrison St.

Telephone Oakland 2181

### **American Excavating Company**

—CONTRACTORS—

473 Fourteenth Street

T. L. MYERS

Oakland, Cal.

Let us do your

### **PRINTING**

Our plant is up-to-date  
We can print anything

BUILDER PRINTING CO.

560 Mission Street

San Francisco

CHARLES DAVID GROBLE

Phone Garfield 2672

### **The San Francisco Art Glass Studios**

Stained Glass, Church Windows, Church Decorations,  
Mosaic, Art Glass Signs, Stair Windows, Mural Paint-  
ing, Designing, Decorating, Leaded Glass.

505 Ellis St., San Francisco

House Phone, Kearny 2967  
Apartment Phone, Kearny 2307

### **FRED H. BOGGS INSURANCE**

734-744 Bush St.

Member  
SAN FRANCISCO Insurance Brokers Exchange

### **JOHN G. ILS & CO.**

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

### **Reinhart Lumber and Painting Mill Company**

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

#### **General Lumber Yard**

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock Doors, Sash Frames and Mouldings.

# Building & Engineering News

Public Library  
Hayes & Franklin

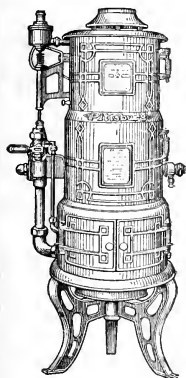
10 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., July 9, 1919

Published Every Wednesday  
Nineteenth Year, No. 28



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze

Will not exude

Will not give off noxious gases

No thawing

No leaking

No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

## The Technical Engineers' Service Organization.

### Officers.

President—Dr. F. H. Newell, University of Illinois, Urbana, Ill.  
 First Vice-President—W. W. DeBernard, Western Editor, Engineering News-Record, Chicago.  
 Second Vice-President—T. A. Evans, Structural Engineer, Meade-Morrison Co., Chicago.  
 Treasurer—John Ericson, City Engineer, Chicago.  
 Secretary—C. E. Drayer.

W. W. K. Sparrow, Chief Engineer, C. M. & St. P. Ry., Chicago.  
 P. E. Harrohn, Consulting Engineer, San Francisco, Calif.  
 R. Burnham, Consulting Engineer, Chicago, Ill.  
 F. D. Richards, Bridge Engineer, City of Cleveland.  
 A. A. Matthews, Chief Engineer, St. L. S. W. R. R., Tyler, Texas;  
 E. F. Collins, Valuation Engineer, St. L.-S. F. Ry., St. Louis.  
 C. H. Crawford, Baldwin Locomotive Works, Philadelphia.  
 W. H. Finley, President, C. & N. W. Ry., Chicago.  
 Harold Almert, Consulting Engineer, Chicago.  
 F. K. Bennett, Principal Assistant Engineer, M. & St. L. Ry., Minneapolis.  
 J. H. Prior, Consulting Engineer, Chicago;  
 Alexander Potter, Civil Engineer, New York City.  
 J. N. Hatch, Consulting Engineer, Chicago.

## NATIONAL HEADQUARTERS

29 S. La Salle St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal..... PRESIDENT  
 A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal..... SECRETARY  
 O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal..... TREASURER  
 L. D. HOWLAND, Engineer, C. C. Moore Co..... FIRST VICE-PRESIDENT  
 J. F. JOHNSTON, Engineer, Union Construction Co..... SECOND VICE-PRESIDENT  
 I. G. GRUNDEL, Engineer Union Oil Co..... THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles ..... W. P. R. R.  
 L. D. Howland ..... C. C. Moore Co.  
 J. F. Johnston ..... Union Const. Co.  
 I. G. Grundel ..... Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown ..... S. P. R. R.  
 E. B. Crane ..... C. M. & P. S. Ry.  
 P. J. Rowell ..... I. C. C.

### PUBLICITY COMMITTEE

E. D. Brown ..... Redwood Mfgs. Co.  
 G. M. Nelson ..... Consulting Engineer

### QUALIFICATION COMMITTEE

W. H. Phelps ..... S. P. Co.  
 O. R. West ..... A. T. & S. F. R. R.

### MEMBERSHIP COMMITTEE

D. L. Reynolds ..... Pac. Fruit Exp.  
 W. H. Rupp ..... S. P. R. R.  
 E. D. Brown ..... Redwood Mfg. Co.  
 H. I. Benjamin ..... S. P. R. R.  
 H. W. Shrieber ..... Union Const. Co.  
 J. E. Norton ..... I. C. C.

### POLITICAL COMMITTEE

E. H. Herbert ..... Oliver Mfg. Co.  
 FELLOWSHIP COMMITTEE  
 W. H. Rupp ..... S. P. R. R.

*San Francisco Chapter Office, 700 Marston Bldg.*

A. G. Mott, Secretary

244 Kearny St., S. F.

# Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities  
on the Pacific Coast.

Issued Weekly, \$4.00 per year

San Francisco, Cal., July 9, 1919

Nineteenth Year, No. 28



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.

Subscription Rates—One Year, \$3.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE  
600 Mission Street.  
Telephone—Douglas 2372.

## No Ice!

Owing to the advanced cost of materials and labor the subscription price of the Building and Engineering News has been raised to \$4.00 per year, commencing July 1, 1919.

## San Francisco Chapter American Association Of Engineers.

The July meeting of the San Francisco Chapter held in the Commercial Club in the Merchants Exchange Bldg. was called to order by President J. H. Knowles at 7:30 P. M., July 2nd.

Correspondence passed between the President and National Headquarters in regard to the appointment of a Western Coast Secretary with headquarters in San Francisco was read and discussion ensued as to what was wanted and what could be gotten from the Executive Board in Chicago. The correspondence indicated that the new Executive Board was not in favor of appointing a Western Secretary at once but wanted to wait until the new president, Dr. F. H. Newell, had made his trip to the Coast some time this summer.

Mr. J. F. Johnston of the membership committee held that what we wanted first was a paid secretary for the local chapter that could devote his whole time to the membership campaign which was the most pressing work at present.

Mr. Wollner took exception to this view and insisted upon a high class man an executive as Western Secretary, a man who could properly represent the Association at any and all occasions, and pay him well. Mr. Benjamin and Mr. Howland agreed with Mr. Wollner that a high class man was wanted. Mr. Wollner further stated that when he was in Chicago and talked the matter over with National Headquarters they had several thousand dollars in the treasury that was not working and that could be used for this purpose.

It was suggested that the present attitude of the Chicago office was due to the fact that since we had made our application Cleveland, St. Louis, New York and Washington had made applications for paid secretaries.

A policy of watchful waiting evidently was not to the liking of the chapter and a vigorous campaign for the Western Secretary was decided upon and a start made by instructing our director, Mr. P. E. Harroun, to get in touch with the executive board and insist upon the immediate appointment of the Secretary, adding that it was the opinion of the meeting that the secretary's office would be self-sustaining in less than a year and that the territory to be covered by the office was considerably larger than either Cleveland or New York.

A communication was read from the joint council of engineering societies which we consider of such importance as to reprint verbatim:

A proposal for the formation of a joint council of Engineering Societies of California.

Organizations made up of representatives of local engineering societies already exist in Los Angeles and San Francisco. At Los Angeles seven societies are represented in the central body which is called the joint committee. In San Francisco five societies have representatives in a "Joint Council," which serves both as a forum and as a clearing house for joint activity.

Organized last fall, the San Francisco Joint Council has as its object "co-operation without amalgamation for the furtherance of common interests of members of the engineering profession in San Francisco and vicinity and for the rendering of public service as opportunity offers." It found many opportunities for service to the engineering profession. Some of these were the establishment of a joint "Service Bureau" for bringing the engineer and the employer together; the development of closer relations among engineers and co-operation in local matters where united action was desirable.

With the application of the idea the scope broadened. Societies represent-

ed in the Joint Council desired to secure the appointment of an engineer to one of the vacancies on the Railroad Commission and to get the legislature to pass a law for licensing engineers. In both these matters the prospect for success was greater if the several San Francisco societies worked together, and an agreement that this would be done was reached through the Joint Council.

In dealing with statewide matters, however, the interests of engineers outside of San Francisco and not represented in its Joint Council were involved. When this difference between the Joint Council became apparent an effort was made to unify interests in different parts of the state and reach some agreement on the licensing question. This was started too late, however, to be successful at this session of the Legislature, and, rather than allow dissension to appear within the profession, no further effort was made to have the licensing bill passed.

This experience demonstrated the need for an organization of statewide scope, and at the meeting of the San Francisco Joint Council on May 12th, 1919, the following resolution was adopted:

"Whereas the need is apparent for some common forum or central body through which all engineering societies of the State of California may exchange constructive suggestions, foster co-operation, and plan for unity of action to the end that engineers may more effectively serve the public and promote their own welfare. Therefore be it

"Resolved that the Joint Council of Engineering Societies of San Francisco invite all professional engineering organizations of the state to participate in forming a Joint Council of California Engineering Societies, and be it further

"Resolved that a copy of the plan of procedure in forming such a "State Council," as prepared by the Joint Council of Engineering Societies of San Francisco, shall be sent to all professional engineering organizations of the state inviting constructive criticism, and be it further

"Resolved that no final action shall be taken in the matter until a plan of organization has been developed which has the approval of a majority of those engineers in the state who are affiliated with professional engineering organizations."

A committee, consisting of C. D. Marx, Chairman; Edward Higgins, B. S. Drake, C. E. Rogers and E. C. Hutchinson, was then appointed to formulate some plan as proposed in the resolution. This committee, after several meetings, reported to the June 10 meeting of the Joint Council as follows:

### Report of the Committee Presented June 10, 1919.

If engineers are to use their influence to advantage through a State Joint Council that body must be representative and it must have authority.

It is therefore recommended that a complete list of California engineering societies be prepared and that to all of them be sent invitations to appoint or elect delegates to a State Council.

Your committee believes that the organization of a State Council could be satisfactorily consummated only by a meeting of its members. It is therefore recommended that when the several societies have selected their representatives, that these should meet to organize and adopt a constitution.

#### Preliminary Work.

To facilitate progress, the San Francisco Joint Council offers to act as a clearing house for ideas relative to the State Council plan up to the time of the first meeting of that body. To this end all engineering societies of the state are urged to give the matter prompt attention and to send in constructive ideas bearing on the plan. These will be given careful consideration by a committee which, it is hoped, will include representatives of the San Francisco Joint Council and the Los Angeles Joint Committee.

By way of making a beginning, the following are offered as "something to shoot at":

#### Name.

This Organization shall be known as the Joint Council of Engineering Societies of California.

#### Object.

The co-operation of engineering societies of California for the furtherance of common interest of members of the engineering profession and for the rendering of public service as opportunity offers.

#### Representation.

All professional engineering organizations of the state shall be eligible for representation.

The term "professional engineering organizations" is understood to include all engineering societies that have authority to act for their memberships and to exclude those formed for social purposes. Manifestly, the Joint Committee of Los Angeles, the San Francisco Joint Council and other similar bodies are ineligible for representation because the member sections of these joint bodies may have direct representation in the State Council.

Each society represented in the State Council, whether by one or more representatives, shall have a vote equal to the number of active members in that society.

Each "professional engineering organization" may have one representative in the State Council for each 100 members or portion thereof. That is, a society with less than 100 members shall have one representative, a society with more than 100 but less than 200 members shall have two representatives and so on.

#### Officers.

The officers of the State Council shall consist of chairman, vice-chair-

man, secretary, assistant secretary and treasurer. These five shall constitute the executive committee.

These officers shall be elected annually for a term of one year.

#### Authority.

The policy shall be to get an expression from the membership of each society as a whole on all important questions whenever this is feasible. Thus State Council representatives will be expected to vote the sentiment of their respective societies on questions which have been sent by mail for general consideration.

On minor matters, however, and on matters in which there is practically no doubt that the interests of a majority of the membership are in common, it is understood that representatives shall be empowered to act without waiting to submit the question to the memberships at large. All action thus taken, however, must be by unanimous vote of the State Council.

#### Meetings.

There shall be at least one meeting of the State Council each year at which officers shall be elected and general business transacted.

Special meetings may be called at any time by a vote of four executive committee members, or in the absence of one or more executive committee members, the vote of any three members of the State Council shall be the equivalent of the vote of a committeeman.

#### Finances.

Expenses of the State Council, including traveling expenses of accredited delegates to stated meetings shall be apportioned among all societies on the basis of their active memberships.

It is recognized that this outline is incomplete. It has seemed best not to go too far into detail until there is opportunity for general consideration of the idea. Thus the plan will develop, it is hoped, on the broadest possible scale.

Certain difficulties are foreseen, but none which will be in any way insurmountable, it is believed. For example, it is known that a considerable percentage of engineers in California have no local society affiliations. The remedy for this is not to work out some plan of "representatives at large."

It will probably not be possible to provide direct representative for them in the State Council. Rather let us urge our societies to endeavor to enroll these "non-affiliated" engineers. Meantime, State Council representatives, considering themselves as servants of the profession at large, should endeavor to work for the common good regardless of affiliations.

The San Francisco Joint Council asks that upon receipt of this circular you let us know promptly how soon we may expect such comment and suggestions as may be forthcoming from your society. We would also like to have at once the names and addresses of any societies that should be added to the attached list of those to whom this circular is being sent.

NATHAN A. BOWERS,

Secretary-Treasurer.

Joint Council of Engineering Societies of San Francisco.

June 12, 1919.

Preliminary List of Addresses to which "Proposal" is to be forwarded. Suggestions for additions invited. See Paragraph on "Representation" for qualifications.

#### San Francisco—

Section of A. I. E. E., A. Q. Jones, Rialto Bldg.

Section of Am. Soc. C. E., N. A. Bowers, Rialto Bldg.

Section of Am. Chem. Soc., B. S. Drake, 502 Nevada Bank Bldg.

Section of Am. Soc. M. E., J. A. Kinkead, 16 California St.

Section of Am. Inst. Min. & Met. Eng., W. H. Shockley, 959 Waverly St.

Section of Am. Inst. Radio Engrs., W. W. Hanscom, 848 Clayton St.

Section of Am. Inst. Archts., Warren C. Perry, 604 Mission St.

Section of Am. Assn. Engrs., J. H. Knowles, Ch. Engr., W. P. R. R., So. Pac. Bldg.

Pac. Assn. Consulting Engrs., C. H. Snyder, 251 Kearny St.

#### Los Angeles—

Section of Am. Soc. C. E., F. G. Dessey, Central Bldg.

Section of Am. Inst. E. E., Carl E. Johnson, 459 E. Third.

Section of Am. Inst. Min. & Met. Eng.

Section of Am. Soc. M. E.

Section of Am. Inst. Archts., H. F. Withey, 621 Exchange Bldg.

Section of Am. Chem. Soc., H. L. Payne, 221 W. First St.

Section of Engrs. & Archts. Assn., H. Z. Osborne, Jr., City Hall.

#### Sacramento—

Sacramento Engineers' Club, P. M. Norboe, State Dept. of Engineering.

#### San Diego—

Section of Am. Soc. C. E., Ralph Wueste, Bonita, Cal.

After a short discussion it was decided to accept the invitation and select delegates to the conference.

The secretary read a letter from H. I. Benjamin to the executive board outlining a plan for the formation of a Southern Pacific R. R. Section. Mr. Benjamin then gave a general outline of the proposed section and stated that he had received favorable replies from six of the nine divisions to whom he had written. He also read a letter from Mr. Barnes of the Portland chapter outlining what they are doing with their R. R. Section. Mr. Benjamin announced that application had been made to National Headquarters for a R. R. Section charter and said that by next meeting the organization would be complete and every technical man on the S. P. R. R. system either a member or affiliated with the section.

The meeting then adjourned.

### SCHOOL BUILDING BIDS WANTED

RAVENSWOOD, San Mateo Co., Cal. — Bids will be received by the Board of Trustees of the Ravenswood School District, up to July 18th, 7 P. M., at the residence of Amos A. Davis, Clerk of the District, on Cooley Avenue, Pinnymede, Cal., for the erection of one or more school buildings.

The post office address of Davis is Menlo Park, R. F. D., No. 1, Box, 25, Calif.

# ADVANCE NEWS

## Official Proposals, Etc.

Plans Being Figured.  
**DWELLING** Cost, \$—  
**YOLANDA COURT**, Marin Co., Cal.  
 Two-story frame dwelling.  
 Owner—C. G. Stubr.  
 Architect—Edw. E. Young, 251 Kearny St., San Francisco.

Contract Awarded.  
**SCHOOL** Cost, \$10,000  
**LAKEVIEW**, Oregon.  
 One-story frame and stucco school (4 class rooms).  
 Owner—Lake View School District.  
 Architect—F. J. De Longchamps, Reno, Nevada.  
 Contractor—I. A. Underwood, Lakeview, Oregon.

Contract Awarded.  
**COLD STORAGE PLANT**  
 Cost, \$50,000.  
**WATSONVILLE**, Santa Cruz Co., Cal.  
 Walker and Second Streets.  
 Frame cold storage plant, 120x200.  
 Owner—Pajaro Valley Cold Storage Co., Watsonville, Cal.  
 Architect—Ralph J. Wyckoff, Watsonville, Cal.  
 Contractor—F. Jordan.

Plans Being Prepared.  
**BUNGALOWS** Cost, \$3500 each  
**BURLINGAME**, San Mateo Co., Cal.  
 Ten one-story bungalows.  
 Owner—Withheld.  
 Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Plans Being Figured.  
**STORE BLDG.** Cost, \$10,000  
**SAN FRANCISCO**, N Ellis 37 E Jones  
 One-story brick store building (4 stores).  
 Owner—Withheld.  
 Architect—S. Heiman, 57 Post St., San Francisco.  
 Figures will be taken for a general contract.

Contract Awarded on a Percentage Basis.  
**CHEESE PLANT.** Cost, \$20,000  
**HOLT**, San Joaquin Co., Cal.  
 Cheese plant.  
 Owner—Associated Milk Producers.  
 Architect—Not Given.  
 Contractor—O. W. Britt, 1115 Scott St., San Francisco.

Preliminary Plans Prepared.  
**WHOLESALE BLDG.** Cost, \$200,000  
**PHOENIX**, Ariz. 4th Avenue and Jackson Street.

Three-story and basement reinforced concrete wholesale building, 150x137.  
 Owner—The Melcer Wholesale Grocery Co., Louis Melcer, Pres.  
 Architect—Not Given.

Plans Being Prepared.  
**SCHOOL** Cost, \$18,000  
**SAN JOAQUIN**, Fresno Co., Cal. San Joaquin School District.  
 Two-room school.  
 Owner—San Joaquin School District.  
 Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Plans Being Figured. Bids Close July 15, 1919, 5 P. M.  
**MASONIC TEMPLE** Cost, \$—  
**BUENA PARK**, Orange Co., Cal.  
 Two-story hollow tile Masonic Temple, 40x85.  
 Owner—Buena Park Masonic Association. D. W. Hasson, Secretary.  
 Architect—Frank K. Benchley, Fullerton, Cal.

Plans Being Prepared.  
**GARAGE** Cost, \$12,000  
**KERMAN**, Fresno Co., Cal.  
 One-story brick garage, 60x130.  
 Owner—E. F. Huggins, Ford Agent.  
 Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Plans Being Figured.  
**STORE BLDG.** Cost, \$12,000  
**SAN FRANCISCO**, S Mission Street W of Fourth Street.  
 One-story and basement reinforced concrete store building.  
 Owner—Mrs. Mary A. Bryan.  
 Architect—W. H. Crim, 425 Kearny St., San Francisco.

Plans Being Prepared.  
**STORE BLDG.** Cost, \$40,000  
**SAN FRANCISCO**, S Post Street, bet. Hyde and Larkin Streets.  
 Owner—Jacob Gietzen.  
 Architect—W. H. Crim, 425 Kearny St., San Francisco.

Plans Being Figured.  
**GARAGE** Cost, \$12,000  
**FRESNO**, Fresno Co., Cal. South "J" Street.  
 One-story brick garage, 50x150.  
 Owner—Darbinian Bros.  
 Lessee—Chas. Foreman Sales Co., Agents Briscoe Car.  
 Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.

Plans Being Prepared.  
**ADDITION** Cost, \$—  
**LONG BEACH**, Los Angeles Co., Cal.  
 Class "A" reinforced concrete addition to Virginia Hotel.  
 Owner—Seaside Investment Co.  
 Architect—John C. Austin, 1125 Baker Detwiler Bldg., Los Angeles.

Plans Being Figured.  
**CEMETERY ENTRANCE** Cost, \$—  
**SAN MATEO CO.** Serbian Cemetery Grounds.  
 Reinforced concrete and stone cemetery entrance.  
 Owner—First Serbian Benevolent Society, 1034 Golden Gate Ave., San Francisco.  
 Designer—J. I. Mitrovich, 1034 Golden Gate Ave., San Francisco.

Contract Awarded.  
**RESIDENCE** Cost, \$27,500  
**LOS ANGELES**, Fremont Place.  
 Two-story and basement frame and plaster residence (11 rooms and 3 bathrooms).  
 Owner—Col. L. M. Koehler.  
 Architect & Contractor—Frank L. Meline, 6777 Hollywood Blvd., Los Angeles.

Plans Being Figured.  
**RESIDENCE** Cost, \$—  
**YOLAND**, Marin Co., Cal.  
 Two-story frame residence and one-story garage.  
 Owner—Withheld.  
 Architect—T. Patterson Ross, 310 California St., San Francisco.

Sketches Being Prepared.  
**WAREHOUSE** Cost, \$30,000  
**SAN FRANCISCO**, NW Cor. Second and South Park.  
 Three-story reinforced concrete warehouse.  
 Owner—Milton Auerbach.  
 Architect—Jos. Cahen, 333 Kearny St., San Francisco.  
 Working drawings will not be started until a tenant has been secured.

Contract Awarded.  
**SCHOOL** Cost, \$50,000  
**VALLEJO**, Cal.  
 One-story frame school (6 rooms and an auditorium).  
 Owner—U. S. Housing Corp.  
 Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.  
 Contractor—Taylor & Goericke, Sharon Bldg., San Francisco.

Plans Being Figured.  
**RESIDENCE** Cost, \$10,000  
**SAN JOSE.** Near San Jose.  
 Two-story frame residence.  
 Owner—Withheld.  
 Architects—Wolfe & Higgins, Auzeirais  
 Bldg., San Jose.  
 (27156) 1st report Apr. 30, 1919.

Plans Being Figured.  
**RESIDENCE** Cost, \$12,000  
**SAN JOSE,** Santa Clara Co., Cal.  
 South of San Jose.  
 Two-story frame residence.  
 Owner—Withheld.  
 Architect—H. W. Higbee, Porter Bldg.,  
 San Jose.

Plans Being Prepared.  
**GARAGE** Cost, \$30,000  
**SAN FRANCISCO.** North Beach Dis-  
 trict.  
 Two-story reinforced concrete garage.  
 Owner—Withheld.  
 Architect—P. Righetti, Phelan Bldg.,  
 San Francisco.

#### Bids Opened For Hillsborough School Addition.

**SAN FRANCISCO**—The following bids were received June 30th by Architect Lewis P. Hobart, Crocker Bldg., San Francisco, for the construction of a one-story frame addition to the Hillsborough School, San Mateo County. Bids were taken under advisement.

R. Caldwell, 152 Ellsworth St., San Mateo, \$14,173.

W. D. Henderson, San Francisco, \$15,948.

Lange & Bergstrom, San Francisco, \$16,125.

Ruegg Bros., San Francisco, \$16,262  
 Val Franz, San Francisco, \$18,148.

Plans Being Prepared.  
**BANK, ETC.** Cost, \$100,000  
**KETCHIKAN,** Alaska.

Three-story concrete bank, store and office building (irregular, covering an area of 9,000 sq. ft.)

Owner—Withheld.

Architects—Lawton & Moldenhour, Alaska Bldg., Seattle, Wash.

#### (Correction. Kind of Building Omitted in Reports of June 30, 1919.)

Plans Being Prepared.  
**STORE BLDG.** Cost, \$40,000  
**SAN FRANCISCO.** S Post Street, bet. Hyde and Larkin Streets.  
 One-story reinforced concrete store building.

Owner—Jacob Gletzen.  
 Architect—W. H. Crim, 425 Kearny St., San Francisco.

Contractors Taking Sub-Figures.  
**ALTERATIONS** Cost, \$35,000

**SANTA BARBARA,** Cal. Montecito District.

Alter and add to residence.

Owner—E. P. Gavit.

Architects—Reginald D. Johnson and G. B. Kaufman, Associated, 100 E-Colorado St., Pasadena, Cal.

Contractors—Snook & Kenyon, Santa Barbara, Cal.

Plans Being Prepared. Contract Awarded.

**RESIDENCE** Cost, \$65,000  
**PASADENA,** Los Angeles Co., South Orange Avenue.

Hollow tile residence.

Owner—A. J. Wigmore.

Architects—Reginald D. Johnson and Gordon B. Kaufman, Associated, 100 E-Colorado St., Pasadena, Cal.

Contractor—Name Withheld.

Plans Being Prepared.  
**ALTERATIONS** Cost, \$—  
**COLUSA,** Colusa Co., Cal. Market St.  
 Additions and alterations to present bank building.

Owner—The Colusa County Bank.

Architect—J. S. Gould, Colusa, Cal.

July 3, 1919.

**SAN FRANCISCO.** Howard and 8th.

One-story brick auto truck building.

Owner—Withheld.

Architect—Henry Shermund, Mills Bldg., San Francisco.

Sketches Being Prepared.  
**GARAGE** Cost, \$20,000

**MODESTO,** Stanislaus Co., Cal.

One-story brick and concrete garage.

Owner—Withheld.

Architects—Reed & Corlett, Oakland  
 Bank of Savings Bldg., Oakland.

Plans Being Prepared.  
**BANK BLDG.** Cost, \$30,000

**GUSTINE,** Merced Co., Cal.

One-story reinforced concrete and terra cotta bank building (branch bank).

Owner—Bank of Newman.

Architects—Reed & Corlett, Oakland  
 Bank of Savings Bldg., Oakland.

Plans Being Prepared.  
**DWELLINGS** Cost, \$3500 each

**MELROSE,** Alameda Co., Cal.

Eight frame dwellings.

Owner—Withheld.

Architects—Reed & Corlett, Oakland  
 Bank of Savings Bldg., Oakland.

Plans Being Prepared.

**RESIDENCE** Cost, \$5,000

**MANTECA,** San Joaquin Co., Cal.

Two-story frame and plaster residence.

Owner—Mr. Bell of Manteca.

Architect—Chester H. Miller, New Call Bldg., San Francisco.

Plans Being Figured.  
**BUNGALOW** Cost, \$4,500

**STOCKTON,** Cal.

Eight-room bungalow.

Owner—R. Sinclair.

Architect—Walter King, New Call Bldg., San Francisco.

Contract Awarded.  
**RESIDENCE** Cost, \$29,000  
**HILLSBOROUGH,** San Mateo Co., Cal.  
 Two-story frame residence (plaster exterior.)

Owner—Frank Schwabacher,

Architect—Geo. H. Howard & White, Lick Bldg., San Francisco.

Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Plans Being Prepared.  
**SCHOOL** Cost, \$18,000

**EASTON,** San Mateo Co., Cal.

One-story frame school (4 rooms).

Owner—Easton School District.

Architect—E. L. Norberg, 430 Bankers' Investment Bldg., San Francisco.

Plans will be ready for figures in two or three weeks.

#### (Correction. Contractor's Name Omitted in Reports of June 27, 1919.)

Contract Awarded.

**THEATRE** Cost, \$100,000

**TURLOCK,** Stanislaus Co., Cal. North Broadway.

Brick and steel theatre, seating capacity 140.

Owner—A. H. & K. Arakelian.

Lessee—A. A. Richards.

Architect—A. W. Cornelius, Merchants Nat'l. Bk. Bldg., San Francisco.

Contractor—C. A. Tornell & Co., Turlock, Cal.

Revising Plans. Contract to be Awarded Shortly.

**BANK BLDG.** Cost, \$—

**BURLINGAME,** San Mateo Co., Cal.

One-story reinforced concrete store and bank building.

Owner—Chas. M. Kilbride.

Architect—E. L. Norberg, 430 Bankers' Invest. Bldg., San Francisco.

Grace & Bernieri, Claus Spreckels Bldg., submitted the lowest bid and will probably be awarded the contract after a few changes have been made in the plans.

Plans Being Figured.  
**GARAGE** Cost, \$25,000

**SAN FRANCISCO.** S Mission 175 W Sixth Street.

One-story and basement reinforced



concrete and brick garage.  
Owner—Sieria Investment Co.  
Architect—Jos. L. Stewart, Claus  
Spreckels Bldg., San Francisco.

#### PAVING BIDS WANTED.

LOS ANGELES, Cal.—Until 10 A. M., July 14, bids will be received by the Board of Public Works for grading and paving the highway from Lomita to Wilmington and San Pedro in municipal improvement district No. 7, involving 100,166 cu. yds. grading; 477,834 sq. ft. concrete paving; 477,834 sq. ft. protection pavement; 216,095 sq. ft. grading and oiling shoulders, reinforced concrete culverts and bulkheads. Bonds to the amount of \$160,000 have been voted.

#### SCHOOL BONDS.

FRESNO, Fresno Co., Cal.—Bonds of \$6,000 have been voted in the Lindsay School District and bids for the purchase of same will be received up to July 10th, 2 P. M. Bids are being received by County Clerk D. M. Barnwell of Fresno County.

#### BIDS OPENED FOR ADMINISTRATION BUILDING AT NAVAL STATION.

SAN DIEGO, Cal.—W. E. Kier Construction Co., San Diego, submitted the lowest bid at \$203,394 for constructing an administration building and walks and roads at the naval air station on North Island, San Diego. The building will be 2 stories, 340x60 feet, and will contain about 70 rooms.

Other bids received were: William Simpson, Los Angeles, \$204,375 and Lang & Bergstrom, San Francisco and San Diego, \$216,427.

#### PACKING PLANT COSTING \$800,000 PLANNED AT SACRAMENTO.

SACRAMENTO, Cal.—Erection of a four-story concrete building to cost between \$700,000 and \$800,000, is planned by the California Packing Corporation, on the block bounded by P. Q. Second and Front Streets. This was the statement made by Charles Bliss, attorney representing the corporation, to the City Commission.

It is conditioned, however, upon the vacation of the alley in this block, which Bliss says is of no use to anyone else, as it ends against the embankment of the Southern Pacific Railway in the next block. Bliss also asks for permission on the part of the corporation to install another spur on Front Street to connect with the Sacramento Northern Railway. At present the one spur can be shut off by other industries, if they happen to be busy.

Upon motion of Commissioner Gus S. Turner, the matter of the alley was referred to Commissioner of Streets D. W. Carmichael and the spur track to Commissioner of Public Works John Q. Brown.

#### BIDS WANTED FOR ROAD WORK.

SAN BERNARDINO, Cal.—Until 11 A. M., July 21, bids will be received by the Supervisors of San Bernardino county, R. H. Mack, Clerk, for constructing 2½ miles of concrete roadway 24 ft. wide and 4 in. thick, with cobblestone curbs 24 in. high, full length on both sides. Plans on file at office of County Surveyor. Work will be done under road improvement act of 1907.

#### HIGHWAY BONDS.

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors have sold the \$1,640,000 county highway bond issue to the Bank of Italy. The premium paid for the bonds was \$39,508.

#### LOW BIDDER FOR PIER & SHED AT ASTORIA.

ASTORIA, Ore.—The Foundation Co., 58 Sutter St., San Francisco, submitted the lowest bid to the Port of Astoria Commission for the construction of Pier No. 3 and Freight Shed No. 4 at \$815,491.

At the same time bids were opened for 6 steel tanks for which The Astoria Marine Iron Works submitted the lowest bid at \$20,864.

#### SWIMMING POOL PLANS COMPLETE.

COLUSA, Colusa Co., Cal.—Plans prepared by Architect Edwin J. Symmes, 1700 Pearl St., Alameda, for the proposed municipal swimming pool have been presented to City Engineer Critchfield for approval.

The pool is 45x120 feet, large enough for water polo and other aquatic games. The building is in Mission style. The pool is estimated to cost \$20,000. A bond election will be held July 7th to vote bonds with which to finance construction.

#### STREET WORK BIDS REJECTED.

RICHMOND, Contra Costa Co., Cal.—The City Council has rejected the bid of Fred Teichert for the improvement of Andrade Boulevard, Lowell avenue and Twenty-ninth street at \$72,791.35, owing to same being \$9,064 higher than bids formerly received for the work.

#### STREET WORK BIDS WANTED.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the City

Council, G. W. Putich, City Clerk, for the following work:

For furnishing the labor and materials necessary for the improvement of Market street, from the west line of Center street to the East line of Commerce street, by grading and paving with bitulithic wearing surface on asphalt concrete base.

#### STREET AND SEWER WORK PLANNED.

RICHMOND, Contra Costa Co., Cal.—The City Council at its last meeting adopted a resolution providing for the improvement of Eighth street between Chanslor and Ohio streets.

Plans were ordered prepared for the construction of additional sewers in the Brown-Andrade Tract. (28006) 1st report June 11, 1919 and

#### STREET AND SEWER WORK PLANNED.

PETALUMA, Sonoma Co., Cal.—The Council is contemplating the extension of the "F" street sewer from Third street to the River.

The City Attorney has been instructed by the Council to prepare the necessary ordinance for the issue of \$80,000 in bonds to run 30 years for the improvement of Main and Third streets. The denomination was discussed. The interest is to be paid semi annually.

The Sixth street improvement below "I" street was discussed without action.

#### BIDS WANTED FOR CONSTRUCTION OF WHARF.

NEWPORT BEACH, Orange Co., Cal.—Until 7:30 P. M., July 14, bids will be received by City Clerk J. Royal Lemon for constructing a public landing at Nineteenth street and the channel in Newport bay and a wharf at Thirtieth street and Newport bay in accordance with plans and specifications on file with the City Engineer, Paul E. Kressley. Certified check for 10% required.

#### GRADING AND PAVING BIDS WANTED.

NEWPORT BEACH, Orange Co., Cal.—Until 8 P. M., July 14, bids will be received by City Clerk J. Royal Lemon for grading and paving with 5 in. of concrete Twenty-eighth, Thirtieth and Thirty-first streets, between Central avenue and Lafayette avenue. Work will be done under improvement act of 1911. Paul E. Kressley, City Engineer.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

No.	Owner	Contractor	Amt.
1252	Wannemacher	Diestel	3000
1253	Corp	Bar	1000
1254	Gericke	Gericke	420
1255	Lowry	Becaas	2630
1256	Farragut	Monson	4280
1257	Helbush	Krager	1400
1258	Johnson	Fulton	600
1259	Marston	Fink	450
1260	Markovits	Home	1310
1261	Same	Johnson	4838
1262	McCarthy	Arnott	2050
1263	Same	Same	2050
1264	Hittel	Jones	5000
1265	Helbush	Owner	30000
1266	O'Connor	Owner	13000
1267	O'Connor	Nelson	4000
1268	Roberts	Hayes	8000
1269	Roos	Duncan	1387
1270	S F Savings	Heyer	100000
1271	Sanders	Sanders	22000
1272	Satler	Warden	10000
1273	Stoff	Stoff	50000
1274	Gavin	Gavin	4000
1275	Indep.	Parker	3900
1276	Stezeleckz	Owner	3000
1277	Wesendunk	Greater City	1500
1278	Shea	Greater City	1000
1279	Bemis	Heidt	600
1280	Weeks	Brass	425
1281	Brica	Brica	400
1282	Condon	Johnson	7950
1283	Pope	Pasqualetti	1294
1284	Lowry	Salina	1260
1285	Dollar	Gensler	4650
1286	Sunnit	Lawson	32500
1287	Same	Marchant	36300
1288	Same	Knowles	13238
1289	Same	Atlas	3900
1290	Same	Turner	4385
1291	Same	Maudrell	3900
1292	Same	Coleman	8758
1293	Same	Pac Roll'g Mill	17500
1294	Same	Otis	6700

#### ALTERATIONS

(1252) NO. 3072 SEVENTEENTH.  
New tar and gravel roof and repair fire damage.

Owner—Robert Wannemacher, 1049 Stanyan, San Francisco.

Architect—None.  
Contractor—John Diestel, 248 Russ Bldg., San Francisco.

COST, \$3000

#### ALTERATIONS

(1253) NO. 43 EDDY. Alter store.  
Owner—Gau Corp., Premises.

Architect—Clarence Tantau, Clunie Bldg., San Francisco.

Contractor—Steve Bar.

COST, \$1000

#### ALTERATIONS

(1254) E TWENTY-FIFTH AVE 275 N Clement. Alter dwelling.

Owner—Julius P. Gericke, 350 25th Ave., San Francisco.

Architect—None.  
Day's work.

COST, \$420

(1255) NW MISSION & EMBARCADERO. All work for alterations and

additions to lodging house.

Owner—Nellie M. and Agnes Lowry and Isabel L. Soule, Care J. T. Harmes, 80 Post, S. F.

Architect—Milton Latham, 454 Montgomery, San Francisco.

Contractor—Bernard Becaas, 915 Pacific, San Francisco.

Filed June 30, '19. Dated June 27, '19.

New light courts framed.....\$650

Brown coated ..... 650

Completed and accepted..... 670

Usual 35 days..... 660

TOTAL COST, \$2630

Bond, none. Limit, Aug. 30, 1919. Forfeit, none. Plans and specifications filed.

ADDITION

(1256) CAPITOL & FAXON AVES.  
Domestic science and manual training rooms.

Owner—Farragut School, Premises.

Architect—None.

Contractor—O. Monson, 110 Jessie, San Francisco.

COST, \$4280

ALTERATIONS

(1257) NO. 826 MARKET. Alter store.

Owner—H. H. Helbush, Montgomery and Sutter, S. F.

Architect—None.

Contractor—Lonis Krager, 743 Gough, San Francisco.

COST, \$1400

ALTERATIONS

(1258) NE FRONT AND JACKSON.  
Alter store.

Owner—Bertrand Johnson, 616-18 Front, San Francisco.

Architect—None.

Contractor—G. M. Fulton, 301 Front, San Francisco.

COST, \$600

ALTERATIONS

(1259) NO. 244 KEARNY. Alter store.

Owner—F. W. Marston, Premises.

Architect—W. D. Shea, 244 Kearny, San Francisco.

Contractor—Fink & Schindler Co., 228 13th, San Francisco.

COST, \$450

CABINET WORK, ETC.

(1260) NE THIRD AND MISSION.  
Cabinet work, glass, glazing, etc., for corner cigar store in building.

Owner—Jack Markovitz, 98 3rd, S. F.

Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.

Contractor—Home Mfg. Co., 543 Brannan, San Francisco.

Filed July 2, '19. Date July 1, '19.

On completion of work..... ¾

Usual 35 days..... ¼

TOTAL COST, \$1310.95

Bond, none. Limit, 10 days after notified. Forfeit, none. Plans and specifications filed.

(1261) ALL WORK EXCEPT CABINET work, glass and glazing, etc., on above.

Contractor—J. Harold Johnson, 180 Jessie, San Francisco.

Filed July 2, '19. Dated July 1, '19.

Usual 35 days.....\$4838

TOTAL COST, \$4838

Bond, none. Limit, July 28. Forfeit, none. Plans and specifications filed.

DWELLING

(1262) W PLYMOUTH 150 N Grafton being Lot 48 Blk 8 Lakeview. All work for one and one-half-story frame dwelling.

Owner—The McCarthy Co., 316 Bush, San Francisco.

Plans by Contractor.

Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.

Filed July 2, '19. Dated May 12, '19.

Frame up ..... 25%

Brown coated ..... 25%

Completed ..... 25%

Usual 35 days..... 25%

TOTAL COST, \$2050

Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

DWELLING

(1263) W PLYMOUTH 325 N Grafton being Lot 41 Blk 8, Lakeview. All work for one and one-half-story frame dwelling.

Owner—The McCarthy Co., 316 Bush, San Francisco.

Plans by Contractor.

Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.

Filed July 2, '19. Dated May 12, '19.

Frame up ..... 25%

Brown coated ..... 25%

Completed ..... 25%

Usual 35 days..... 25%

TOTAL COST, \$2050

Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

STORE HOUSE

(1264) COLUMBIA AVE 187-6 N Harrison. One-story and mezzanine floor store house.

Owner—F. T. Hittel, 808 Turk, S. F.

Architect—None.

Contractor—E. N. Jones, 1st National Bank Bldg., San Francisco.

COST, \$5000

APARTMENTS

(1265) SW EUCLID AND PALM Aves. Three-story frame apartments.

Owner—H. H. Helbush, 75 Sutter St., San Francisco.

Architect—Edw. E. Young, 251 Kearny, San Francisco.

Day's work.

COST, \$30,000

ALTERATIONS

(1266) S POST 140 W Kearny. Alter store.

Owner—O'Connor Moffatt & Co., Prem. Constr. Manager—Frederick Whitton, 369 Pine, San Francisco.

Day's work.

COST, \$13,000

RESIDENCE

(1267) E FIFTEENTH AVE 375 N Fulton. Two-story frame residence.

Owner—Thos. H. O'Connor, 355 11th Ave., San Francisco.  
 Architect—None.  
 Contractor—N. J. Nelson, 364 20th Ave., San Francisco.  
 COST, \$1000

## PACKING PLANT

(1268) NW BRYANT & CONVERSE.  
 One-story brick packing plant.  
 Owner—G. H. Roberts, 136 5th, S. F.  
 Architect—S. Heiman, 57 Post, S. F.  
 Contractor—Hayes-Oser Co., 424 Call Bldg., San Francisco.  
 COST, \$8000

## ALTERATIONS

(1269) NO. 3600 JACKSON. Alter for new dressing room.  
 Owner—Leon S. Roos, Premises.  
 Architect—Wm. L. Maybeck, Russ Bldg., San Francisco.  
 Contractor—W. C. Duncan & Co., 205 Sharon Bldg., San Francisco.  
 COST, \$1387

## CLASS "A" BANK BLDG.

(1270) E MISSION 35 S 25th. One-story Class "A" bank building.  
 Owner—S. F. Savings & Loan Society, 526 California, S. F.  
 Architect—Herbert A. Schmidt, 45 Kearny, San Francisco.  
 Contractor—Chas. W. Heyer Jr., Dalziel Bldg., Oakland.  
 COST, \$100,000

## ALTERATIONS

(1271) W POLK 65 N of NW Cor. Polk and Washington. Alter stores and apartments.  
 Owner—G. H. Sanders, 2822 Piedmont Ave., Berkeley.  
 Architect—Geo. A. Applegarth, 1800 Claus Spreckels Bldg., S. F.  
 Day's work. COST, \$22,000

## FRAME RESIDENCE

(1272) SW TWENTY-NINTH AVE & Geary. Two-story frame residence.  
 Owner—Mrs. Anna Sattler, 278 Fifth Ave., San Francisco.  
 Architect—None.  
 Contractor—Fred Warden, 354 Sussex San Francisco.  
 COST, \$10,000

## APARTMENTS

(1273) W HYDE 57-6 S Bush. One-story brick apartment house.  
 Owner—Louis D. Stoff, 830 Sutter, San Francisco.  
 Architect—Albert Schroeffer, Nevada Bank Bldg., San Francisco.  
 Day's work. COST, \$50,000

## ALTERATIONS

(1274) NE COLE AND FREDERICK. Alter residence.  
 Owner—E. A. Gavin, 1849 Page, S. F.  
 Architect—None.  
 Day's work. COST, \$4000

## ADDITION

(1275) NO. 650 SEVENTH (rear). Add shed and bridge.  
 Owner—Independent Paper Stock Co., Premises.  
 Architect—Leland S. Rosener, 721 Insurance Exchange Bldg., S. F.  
 Contractor—K. E. Parker Co., 515 Clunie Bldg., S. F.  
 COST, \$3900

## ALTERATIONS

(1276) NW FIFTH AND SHIPLEY. Alter flats.  
 Owner—Mrs. Adolph H. Stezeleckz, 328 5th, San Francisco.

Architect—J. C. Hladik, Monadnock Bldg., San Francisco.  
 Day's work. COST, \$3000

## ALTERATIONS

(1277) NO. 481 MADRID. Alter dwelling.  
 Owner—A. Wesendunk, Premises.  
 Architect—None.  
 Contractor—Greater City Lumber Co., 3123 Mission, San Francisco.  
 COST, \$1500

## ALTERATIONS

(1278) NO. 77 GLADYS. Alter and add two rooms to residence.  
 Owner—James Shea, Premises.  
 Architect—None.  
 Contractor—Greater City Lumber Co., 3123 Mission, San Francisco.  
 COST, \$1000

## ALTERATIONS

(1279) NO. 1000 SANSOME. Alter factory.  
 Owner—Bemis Bros. Bag Co., Prem.  
 Architect—None.  
 Contractor—Heidt Cornice Co.  
 COST, \$600

## ALTERATIONS

(1280) NO. 414 GEARY. Alter store.  
 Owner—W. H. Weeks, Premises.  
 Architect—W. H. Weeks, 75 Post, S. F.  
 Contractor—Brass & Kuhn Co., 1916 Bryant, San Francisco.  
 COST, \$425

## ALTERATIONS

(1281) NO. 1330 FOURTH AVE. Alter dwelling.  
 Owner—Dr. C. A. Bricca, Premises.  
 Architect—None.  
 Day's work. COST, \$400

## BUNGALOWS

(1282) E CHURCH 125 S 29th. All work except fixtures, shades and wall paper for two one-story and basement frame bungalows.  
 Owner—A. W. Condon  
 Architects—Rousseau & Rousseau, 110 Sutter, San Francisco.  
 Contractor—Joel Johnson, 110 Jessie, San Francisco.  
 Filed July 3, '19. Dated July 3, '19.  
 Framed & ready for roofing. \$1987.50  
 Brown coated. 1987.50  
 Completed and accepted. 1987.50  
 Usual 35 days. 1987.50  
 TOTAL COST, \$7950.00  
 Bond, none. Limit, 65 days after July 7. Forfeit, none. Plans and specifications filed.

## ALTERATIONS, ETC.

(1283) NW GOLDEN GATE AVE & Jones W 137-6xN 137-6. All work for concrete vault and alterations to store in building.  
 Owner—Pope Estate Co., 1918 Kohl Bldg., San Francisco.  
 Architect—Henry H. Meyers, Kohl Bldg., San Francisco.  
 Contractor—J. Pasqualetti, 785 Market, San Francisco.  
 Filed July 3, '19. Dated June 26, '19.  
 Completed and accepted. \$970.50  
 36 days after. 323.50  
 Bond, \$647. Surety, Maryland Casualty Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

## BASINS, DRAINS, ETC.

(1284) NW MISSION AND EMBARCADERO. All work for 3 basins, 3 deck drains, install hot water circulating system, etc., in building.

Owner—Nellie M. and Agnes Lowry and Isabel L. Soule, Care J. T. Harms, 80 Post, San Francisco.  
 Architect—Milton Latham, 454 Montgomery, San Francisco.  
 Contractor—Salina & Sabaco.  
 Filed July 3, '19. Dated June 25, '19.  
 Piping and drains roughed in. \$470  
 Completed and accepted. 470  
 Usual 35 days. 320  
 TOTAL COST, \$1260  
 Bond, none. Limit, Aug. 15, 1919. Forfeit, plans and specifications, none.

## ELECTRICAL WORK

(1285) SW CALIFORNIA AND BATTERY. Electrical work for five-story and roof additions to building.  
 Owner—The Robert Dollar Co., by Dinwiddie Constr. Co., Crocker Bldg., San Francisco.  
 Architect—Chas. W. McCall, Central Bank Bldg., Oakland.  
 Sub-Contractor—J. Gensler (as Electrical Contr. Co.), 604 Mission, San Francisco.  
 Filed July 3, '19. Dated June 19, '19.  
 TOTAL COST, \$4650  
 Bond, none. Limit, 10 days. Forfeit, \$90. Plans and specifications, none.

(1286) E HYDE 56-6 N Greenwich N 56xL 56. Excavation, foundation and concrete work for eight-story Class "A" apartment house.  
 Owner—Summit Co., Corp., 310 California, San Francisco.  
 Architect—T. Paterson Ross, 310 California, San Francisco.  
 Contractor—A. W. Lawson, 180 Jessie, San Francisco.  
 Filed July 3, '19. Dated June 10, '19.  
 On 1st of each month. 75%  
 Usual 35 days. \$8125  
 TOTAL COST, \$32,500  
 Bond, \$16,250. Surety, Globe Indemnity Co. Limit, 120 days. Forfeit, \$40  
 Plans and specifications filed.

## (1287) CARPENTER WORK ON ABOVE.

Contractor—C. T. Merchant, 180 Jessie San Francisco.  
 Filed July 3, '19. Dated June 10, '19.  
 On 1st of each month. 75%  
 Usual 35 days. \$9075  
 TOTAL COST, \$36,300  
 Bond, \$18,150. Sureties, Thos. E. Shumate and Jno. C. McCaughern. Limit, 100 days. Forfeit, \$40. Plans and specifications filed.

## (1288) FURRING, LATHING AND PLASTER ON ABOVE.

Contractor—A. Knowles, Call Bldg., San Francisco.  
 Filed July 3, '19. Dated June 10, '19.  
 On 1st of each month. 75%  
 Usual 35 days. \$3310  
 TOTAL COST, \$13,238  
 Bond, \$6625. Surety, Massachusetts Bonding & Insurance Co. Limit, 90 days. Forfeit, \$40. Plans and specifications filed.

## (1289) STEAM HEATING, HOT WATER TANK and heater and oil burning equipment on above.

Contractor—Atlas Heating & Ventilating Co., 72 Freelon, S. F.  
 Filed July 3, '19. Dated June 10, '19.  
 On 1st of each month. 75%  
 Usual 35 days. \$975  
 TOTAL COST, \$3900  
 Bond, \$1950. Sureties, Jas. Cantley and J. S. Malloch. Limit, 30 days after notified. Forfeit, \$10. Plans and specifications filed.

(1290) ELECTRICAL WORK ON above.  
Contractor—The Turner Co., 272 Natoma, San Francisco.  
Filed July 3, '19. Dated June 10, '19.  
On 1st of each month..... 75%  
Usual 35 days.....\$871.25  
TOTAL COST, \$3485.00  
Bond, \$1750. Surety, Globe Indemnity Co. Limit, 100 days after notified.  
Forfeit, \$10. Plans and specifications filed.

(1291) PAINTING ON ABOVE.  
Contractor—H. Maundrell, 1511 Haight San Francisco.  
Filed July 3, '19. Dated June 10, '19.  
On 1st of each month..... 75%  
Usual 35 days.....\$

TOTAL COST, \$3900  
Bond, \$1950. Surety, The Fidelity & Deposit Co. of Maryland. Limit, 90 days after notified. Forfeit, \$20. Plans and specifications filed.

(1292) PLUMBING, GAS FITTING and sewerage on above.  
Contractor—Alexander Coleman, 706 Ellis, San Francisco.  
Filed July 3, '19. Dated June 10, '19.  
On 1st of each month..... 75%  
Usual 35 days.....\$2190  
TOTAL COST, \$8758  
Bond, \$4380. Sureties, Jno. W. Proctor and Mary Varni. Limit, 100 days. Forfeit, \$10. Plans and specifications filed.

(1293) STEEL WORK ON ABOVE.  
Contractor—Pacific Rolling Mill Co., 17th & Mississippi, San Francisco.  
Filed July 3, '19. Dated June 10, '19.  
On 1st of each month..... 75%  
Usual 35 days.....\$4375  
TOTAL COST, \$17,500  
Bond, \$8750. Sureties, Lisa Seller and H. F. Hedrich. Limit, 150 days after notified. Forfeit, \$40. Plans and specifications filed.

(1294) ONE ELECTRIC PASSENGER and one freight elevator on above.  
Contractor—Otis Elevator Co., Beach and Stockton, San Francisco.  
Filed July 3, '19. Dated June 10, '19.  
On shipment of engine..... 1/4  
Engine installed..... 1/4  
Completed..... 1/4  
TOTAL COST, \$6700  
Bond, none. Limit, 8 weeks. Forfeit, none. Plans and specifications filed.

## COMPLETION NOTICES.

### San Francisco County.

RECORDED	ACCEPTED
June 30, 1919—S CLAY 100 E Leavenworth E 55xS 114. Edith M Stidger to Oliver Duval & Son	June 27, 1919
June 30, 1919—N TARAVAL 82-6 E 22nd Ave E 25xN 100. Louis Johnson to whom it may concern	June 30, 1919
June 30, 1919—E MONTGOMERY 117 S Union 20x91-10. F Briano to P C Anaroso	June 28, 1919
June 30, 1919—E THIRTY-THIRD Ave 150 S TaraVal S 100xE 120. Parkside Realty Co to Nelson Bros	June 28, 1919
July 2, 1919—N EIGHTEENTH 200 W Sanchez W 25xS 114. Victor Bjors to whom it may concern	July 2, 1919
July 2, 1919—NE NINETEENTH &	

Howard 120x122-6. Old Homestead Bakery to Dillon Teaming Co.

June 24, 1919  
July 3, 1919—E TWENTY-SECOND Ave 125 N Balboa N 25xE 125. Joseph Kirby to whom it may concern  
July 3, 1919  
July 3, 1919—E TWENTY-FIRST Ave 125 S Balboa N 25xE 125. Joseph Kirby to whom it may concern  
July 3, 1919  
July 3, 1919—E FIFTEENTH AVE 264 N Balboa N 24xE 120. E A Janssen to whom it may concern  
July 2, 1919

## LIENS FILED.

### San Francisco County.

June 30, 1919—S TURK 109 E Van Ness Ave E 27-6xS 120. William Heibing vs T C Van Ness Jr. \$200  
June 28, 1919—N GROVE 167-6 W Webster W 37xN 137-6. Adam Arras vs A W Morgan and J J Bell \$180

## LEASE.

### San Francisco County.

July 2, 1919—NE FRANKLIN AND Locust bet. Golden Gate Ave and McAllister. O'Brien & Kiernan Realty Co to Morris L Handschur and Harsh Brill. 4 years 11 months \$7375.  
July 2, 1919—NO. 1051 POST. Robt. Green to Harriette L Spencer. 5 years. \$400 per month.  
July 3, 1919—S McALLISTER bet. Gough and Octavia No. 655 McAllister. Marie Murphy to M S White. 2 years. \$1200.  
July 3, 1919—S PRECITA Ave 155 E Folsom E 25xS 100. Henrietta Lille to August M and Minnie M Smith. 60 months, \$39 per month.

## NOTICE OF NON-RESPONSIBILITY.

### San Francisco County.

July 3, 1919—ARONSON BLDG having a frontage of 85 ft. on Third and 107 ft on Mission. A Aronson as to improvements on leased property

## GOVERNMENT TO CALL BIDS SHORTLY FOR HANGARS.

SAN DIEGO, Cal.—Calls for bids will be issued soon for constructing two dirigible hangars and four concrete seaplane hangars for the naval air school on North Island. A 130-ft. steel meteorological tower will also be erected on the administration building at the air school.

### Street Work Contract Awarded.

MODESTO, Stanislaus Co., Cal.—The Standard Paving Co., Call Bldg., San Francisco, has been awarded the contract by the City Council for paving "H" street from Fifteenth to the county hospital and Grand avenue from Fourteenth and "B" streets to Dry Creek bridge at 17 1/2 cents per square foot.

## BUILDING CONTRACTS

### Alameda County.

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Am't.
1344	Kurts	Kurts	7000
1345	Gibson	Wallace	3000
1346	Farrier	Farrier	2500
1347	Jones	Shrader	1594
1348	Monis	Monis	900
1349	Carpenter	Esteey	3684
1350	Carlson	Peterson	4000
1351	Hamilton	Sims	3300
1352	Tyler	Sharp	2800
1353	Barnes	Barnes	2000
1354	Pearce	Pearce	2000
1355	Smith	Langtry	700
1356	Engs	Engs	400
1357	Long	Sheridan	3250
1358	Long	Sheridan	3250
1359	Roger	Hunnewell	3000
1360	Pierce	Pierce	900
1461	Chase	Pfaff	3000
1362	Mohr	Mohr	25000
1363	Atkins	Atkins	9883
1364	Chevrolet	McGillvray	5200
1365	Same	Drucker	2700
1366	Same	Munson	3500
1367	Way	Hopper	2500
1368	Fly	Fly	2400
1369	Harber	Nelson	1500
1370	Derby	Lydicks	1000
1371	Cameron	Cameron	8000
1372	Bkly. Devp.	Mason	4000
1373	Boyd	Dildine	3000
1374	Hillier	Jones	6000
1375	Hillier	Jones	400
1376	Wingate	Wingate	10640
1377	Gewin	Westlund	2382
1378	Stehman	Schwalm	
1379	Greater City Libr.	Vezey	

## DWELLING

(1344) E CARLETON 200 N Broadway Terrace, Oakland. Two-story 8-room dwelling.  
Owner—F. A. Kurts, 3518 Grove St., Oakland.  
Architect—Julia Morgan, Merchants' Exchange Bldg., S. F.  
Day's work. COST, \$7000

(1345) E LINWOOD AVE 140 N E-38th, Oakland. One-story 6-room dwelling.  
Owner—R. N. Gibson, Federal Bldg., Oakland.  
Architect—None.  
Contractor—Wallace Bros., Oakland.  
COST, \$3000

(1346) LEONA HEIGHTS, Hotel Grounds, Oakland. One-story 5-room dwelling.  
Owner—V. A. Farreir, Leona Heights, Oakland.  
Architect—None.  
Day's work. COST, \$2500

FIRE REPAIRS  
(1347) NO. 4101 PIEDMONT AVE., Oakland. Fire repairs.  
Owner—R. Jones, Premises.  
Architect—None.  
Contractor—J. F. Shrader, 520 16th, Oakland.  
COST, \$1594

ALTERATIONS  
(1348) N E-NINTH 200 W 29th Ave., Oakland. Alterations.  
Owner—C. G. Nonis, 2845 E-10th, Oakland.  
Architect—None.  
Day's work. COST, \$900

## FRAME DWELLING

(1319) S PRINCE 560.23 W Claremont Ave W 40x8 110, Berkeley. All work for one-story and attic frame dwelling.

Owner—Mrs. A. A. Carpenter.  
Architect—None.  
Contractor—G. F. Estey, 1815 Hearst Ave., Berkeley.

Filed June 30, '19. Dated June 17, '19.  
Frame up ..... 1/4  
Plastered ..... 1/4  
Completed and accepted ..... 1/4  
Usual 35 days ..... 1/4

TOTAL COST, \$3684

Bond, \$1842. Surety, National Surety Co. Limit, 60 days after June 17. Forfeit, none. Plans and specifications filed.

## DWELLING

(1350) E WESLEY AVE 300 N Excelsior Blvd., Oakland. One and one-half-story 6-room dwelling.

Owner—Mrs. Elizabeth Carlson, 500 Van Ness Ave., San Francisco.  
Architect—None.  
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.

COST, \$4000

## DWELLING

(1351) E FORTIETH AVE 60 S Carlington, Oakland. One and one-half-story 6-room dwelling.

Owner—E. V. Hamilton, 4022 Auga Vista, Oakland.  
Architect—None.  
Contractor—Wm. H. Sims, 1926 64th Ave., Oakland.

COST, \$3300

## DWELLING

(1352) S HAMPEL 50 W Linwood, Oakland. One-story 5-room dwlg.

Owner—Mrs. M. C. Tyler, 3945 Division, Oakland.  
Architect—None.  
Contractor—A. C. Sharp, 3260 Kansas Oakland.

COST, \$2800

## DWELLING

(1353) S SEMINARY AVE Lots 3 & 4 Blk "B," Oakland. One and one-half-story 6-room dwelling.

Owner—Jess E. Barnes, 2607 Seminary Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2000

## DWELLING

(1354) E AUSEON 220 N Birch, Oakland. One-story 5-room dwelling.

Owner—J. E. Pearce, 6932 Lockwood, Oakland.  
Architect—None.  
Day's work. COST, \$2000

## ALTERATIONS

(1355) NO. 178 SIXTH, Oakland. Alterations.

Owner—Mrs. Annie Smith, 158 5th, Oakland.  
Architect—None.  
Contractor—R. Langtry, 1071 12th, Oakland.

COST, \$700

## FIRE REPAIRS

(1356) NW TWELFTH & FILBERT, Oakland. Fire repairs.

Owner—G. N. Engs, 1207 12th, Okd.  
Architect—None.  
Day's work. COST, \$400

## DWELLING

(1357) N HOPKINS 70 E Napa, Ber-

keley. One-story 6-room dwelling.  
Owner—Roy O. Long, Elks' Club, Berkeley.

Architect—None.  
Contractor—H. P. Sheridan, 2815 Grove, Berkeley.  
COST, \$3250

## DWELLING

(1358) S BEVERLY PLACE 231 W Hopkins, Berkeley. One-story 6-room dwelling.

Owner—Roy O. Long, Elks' Club, Bkly  
Architect—None.  
Contractor—H. P. Sheridan, 2815 Grove, Berkeley.  
COST, \$3250

## DWELLING

(1359) W BONITA AVE 80 S Berryman, Berkeley. One-story 5-room dwelling.

Owner—Louise Berryman Roger, 1308 Bonita Ave., Berkeley.  
Architect—None.  
Contractor—Willey Hunnewell, 1345 Hopkins, Berkeley.  
COST, \$3000

## GARAGE

(1360) NO. 2531 RIDGE ROAD, Berkeley. Garage.

Owner—J. M. Pierce, Cloyne Court, Berkeley.  
Architect—None.  
Day's work. COST, \$900

## REPAIRS

(1361) NO. 1448 SHATTUCK AVE., Berkeley. Repairs.

Owner—J. Chase, Bonita and Hearst Aves., Berkeley.  
Architect—None.  
Contractor—F. E. Pfaff, 1625 Grant, Berkeley.  
COST, \$485

## RESIDENCE

(1362) MANOR DRIVE, Piedmont. One and one-half-story frame residence and garage.

Owner—G. Mohr, 1810 Shattuck Ave., Berkeley.  
Architect—None.  
Day's work. COST, \$3000

## DWELLING

(1363) GLEN ALPINE ROAD, Piedmont. Two-story frame dwelling.

Owner—J. H. Atkins, 550 Sutter St., San Francisco and 776 Kingston, Oakland.  
Architect—None.  
Day's work. COST, \$25,000

## GRANITE WORK

(1364) FOOTHILL BLVD. HILLSIDE St., 72nd Ave., 69th Ave and Garfield St., Oakland. Granite work for two-story and basement Class "A" office building.

Owner—Chevrolet Motor Co., of California, through Agent P. J. Walker Co., Mondanock Bldg., San Francisco.  
Architect—George W. Kelham, Sharon Bldg., San Francisco.  
Contractor—The McGilvray-Raymond Granite Co., 634 Townsend St., San Francisco.

Filed July 2, '19. Dated May 2, '19.  
Monthly payments of ..... 75%  
36 days after ..... 25%

TOTAL COST, \$9983

Bond, \$4992. Sureties, R. Dewar and Chas. E. Tallmadge. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(1365) HIGH PRESSURE STEAM system for factory buildings on above.

Engineer—Hunter & Hudson, Rialto Bldg., San Francisco.  
Contractor—J. C. James & C. Drucker (as James & Drucker), 1036 Polk, San Francisco.

Filed July 2, '19. Dated June 5, '19.  
Payments same as above.

TOTAL COST, \$5200

Bond, \$2600. Surety, New Amsterdam Casualty Co. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(1366) FURRING AND LATHING for office building on above.

Contractor—C. O. Munson, 625 3d Ave. San Francisco.

Filed July 2, '19. Dated June 11, '19.  
Payments same as above.

TOTAL COST, \$2700

Bond, \$1350. Surety, Hartford Accident & Indemnity Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

## DWELLING

(1367) S ARKANSAS 160 W Curran Ave., Oakland. One-story 6-room dwelling.

Owner—L. D. Way, 41 Lerida Ave., Oakland.  
Architect—None.  
Contractor—M. E. Hopper & Son, 90 Glen Ave., Oakland.  
COST, \$3500

## DWELLING

(1368) N QUIGLEY 120 W High, Oakland. One-story 5-room dwelling.

Owner—J. M. Fly & Co., 2225 Dana, Berkeley.  
Architect—None.  
Day's work. COST, \$2500

## DWELLING

(1369) E NINETY-FIRST AVE 285 S E-14th, Oakland. One-story 4-room dwelling.

Owner—Albert E. Harber.  
Architect—None.  
Contractor—Chris. J. Nelson, 920 Clay Oakland.  
COST, \$2400

## ALTERATIONS

(1370) S E-FOURTEENTH 100 W Fruitvale Ave., Oakland. Alterations.

Owner—Derby Estate Co., 822 Mills Bldg., San Francisco.  
Architect—None.  
Contractor—Geo. H. Lydiksens, 1244 29th Ave., Oakland.  
COST, \$1500

## ADDITION

(1371) NO. 5619 DOVER, Oakland. Addition.

Owner—H. C. Cameron, Premises.  
Architect—None.  
Day's work. COST, \$1000

## DWELLINGS

(1372) S LOS ANGELES AVE 360 & 410 E The Alameda, Berkeley. Two two-story 6-room dwellings.

Owner—Berkeley Development Co., Shattuck & Addison, Berkeley.  
Architect—None.  
Contractor—Mason McDuffie Co., Shattuck and Addison, Berkeley.  
COST, \$4000 each

## DWELLING

(1373) E HILLEGASS 60 S Ashby Ave., Berkeley. One and one-half-story 6-room dwelling.  
Owner—P. O. Boyd, Hotel Oakland.  
Architect—H. E. Forward, 103 Walsworth Ave., Oakland.  
Contractor—Verne Dildine, 6243 College Ave., Oakland.

COST, \$4000

## DWELLING

(1374) S SONOMA 336 W Joseph, Berkeley. One-story 6-room dwlg.  
Owner—H. F. Hiller, 2100 Shattuck Ave., Berkeley.  
Architect—None.  
Contractor—A. M. Jones, 2100 Shattuck Ave., Berkeley.

COST, \$3000

## DWELLING

(1375) W THE ALAMEDA 254 N Marin, Berkeley. One-story 6-room dwelling.  
Owner—H. F. Hiller, 2100 Shattuck Ave., Berkeley.  
Architect—None.  
Contractor—A. M. Jones, 2100 Shattuck Ave., Berkeley.

COST, \$3000

## DWELLINGS

(1376) S CARLTON 107 and 137 E Shattuck Ave., Berkeley. Two one-story 5-room dwellings.  
Owner—Donald P. Wingate, 2330 Carlton, Berkeley.  
Architect—None.  
Day's work.

COST, \$3000 each

## GARAGE

(1377) NO. 1016 MARIPOSA AVE., Berkeley. Garage.  
Owner—W. H. Gewin, 1014 Mariposa Ave., Berkeley.  
Architect—None.  
Contractor—Fred J. Westlund, 2207 10th Ave., Oakland.

COST, \$400

(1378) NE WALAVISTA & ARIMO Aves being Lot 7 Blk 1, East Piedmont Heights Extension, Oakland. All work for two-story frame dwlg.  
Owner—Nettie M. Stinemann, 600 Van Buren, Oakland.  
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.  
Contractor—Harry Schwalm, 721 Main St., Hayward.

Filed July 3, '19. Dated July 1, '19.  
3rd day of each month..... 75%  
Usual 35 days..... 25%

TOTAL COST, \$10,640

Bond, \$5300. Sureties, Frank G. Chess and Mary E. Zinn. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

## DWELLING

(1379) E WALLACE 110 N Oregon, Berkeley. All work for one-story 4-room dwelling.  
Owner—Greater City Lumber Co., 3111 Mission St., San Francisco.  
Architect—R. A. Hutchinson, Syndicate Bldg., Oakland.  
Contractor—Charley D. Vezey, Plaza Bldg., Oakland.

Filed July 3, '19. Dated June 13, '19.  
Frame up.....  $\frac{1}{4}$   
Plastered.....  $\frac{1}{4}$   
Completed and accepted.....  $\frac{1}{4}$   
Usual 35 days.....  $\frac{1}{4}$

TOTAL COST, \$2382

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

## COMPLETION NOTICES.

## Alameda County.

Recorded June 26, 1919—SE MARKET AND Fifth; No. 875 Market. Louis Samuels to Mullen Mfg Co.....

Accepted

June 26, 1919—NE FULTON AND 16th Ave E 72-6xN 75. Margaretha J Koenig to whom it may concern.....

June 25, 1919

June 27, 1919—(1) Lots 33 and 34 Blk 8; (2) Lots 35 and 36 Blk 8; (3) Lots 37 and 38 Blk 8; (4) Lots 39 and 40 Blk 8, Map Auseon's Moss Tract, Okd. R J Pavert to whom it may concern.....

June 26, 1919

## ALAMEDA LIENS FILED

June 25, 1919—W SAN PABLO AVE 100 S Page S 100xW 100, Bkly. J Peterson vs R Jacuzzi, Giocondo Jacuzzi, G Jacuzzi and F Jacuzzi.....\$213.33

## BUILDING CONTRACTS.

## Fresno County.

## FRAME DWELLINGS

LUCERNE TRACT, Lot 4 Blk 16, Fresno. Two frame dwellings and garages.  
Owner—D. A. Olsen, 1033 Mildreda St., Fresno.  
Architect—None.  
Contractor—C. Shmuelson, 232 Yosemite St., Fresno.

COST, \$3400 each

DWELLING LOT "D" BLK 2, Alta Vista Tract, Fresno. Frame dwelling and garage.  
Owner—J. H. Looney, 309 Valeria St., Fresno.  
Architect—None.  
Day's work.

COST, \$8800

DWELLING LOT 12 BLK 5, Alta Vista Tract, Fresno. Dwelling and garage.  
Owner—Mrs. J. A. Reiss, 2607 McKenzie St., Fresno.  
Architect—None.  
Contractor—Yarnell & Garges, 2327 White St., Fresno.

COST, \$4500

DWELLING LOTS 13, 14 AND 15 BLK 4, Palm Villa Tract, Fresno. Dwelling and garage.  
Owner—Fresno Home Bldg. Co., 923 Santa Fe, Fresno.  
Architect—None.  
Contractor—F. J. Stone, 304 Mason Bldg., San Francisco.

COST, \$4500

## STORE, ETC.

LOTS 1 to 4 BLK 17, Fresno. Store and oven.  
Owner—P. Pagalo, 3362 Illinois St., Fresno.  
Architect—None.  
Day's work.

COST, \$1500

## COMPLETION NOTICES.

## Fresno County.

Recorded June 28, 1919—LOT 44 except S 20 ft

Accepted

Butler Park, Fresno. Nick Davis to whom it may concern.....

June 26, 1919

## FRESNO BUILDING TOTALS FOR JUNE.

The following is a report of the building operations for the month of June, 1919, for the City of Fresno: New Buildings, \$269,740; No. Permits, 63; Total for Year, \$1,125,247. Alterations and Repairs, \$16,932; No. Permits, 45; Total for Year, \$131,982.

## COMPLETION NOTICES.

## Santa Clara County.

Recorded June 30, 1919—SAN JOSE, F O Nelson to whom it may concern..... June 30, 1919.  
July 2, 1919—NW ALOHA AVE & Saratoga—Los Gatos Road, nr Los Gatos. Dr A L Porter to H A Bridges..... July 2, 1919

## BUILDING CONTRACTS.

## Sacramento County.

## ALTERATIONS

NO. 1011 NINTH ST., Sacramento. Alter building.  
Owner—Reese Estate Co., Sacramento  
Architect—None.  
Contractor—Siller Bros., 1230 "P" St., Sacramento.

COST, \$2070

## ALTERATIONS

NO. 1543 FIFTY-THIRD ST., Sacramento. Alter residence.  
Owner—Chas. E. Crocker, Sacramento  
Architect—None.  
Day's work.

COST, \$1000

## GARAGE

S  $\frac{1}{2}$  LOT 5, G. H. 11th and 12th Sts., Sacramento. Garage.  
Owner—John Siller, 1400 "P" St., Sacramento.  
Architect—None.  
Day's work.

COST, \$6000

## BUILDING CONTRACTS.

## San Joaquin County.

## DWELLING

VINE ST., bet. Stockton and Baker, Stockton. Six-room dwelling.  
Owner—C. A. Klives, Stockton.  
Architect—None.  
Day's work.

COST, \$3800

## FRAME COTTAGE

GAMBETTA ADDITION, Stockton. Frame cottage.  
Owner—Mrs. K. A. Ricker, 1629 E Washington, Stockton.  
Architect—None.  
Day's work.

COST, \$2200

## FRAME COTTAGE

SCHWEITZER ADDITION, Stockton. Frame cottage.  
Owner—M. Schweitzer, 9th St., bet. Sutter & California St., Stockton.  
Architect—None.  
Day's work.

COST, \$1500

## FRAME COTTAGE

MADISON ST., bet. North and Willow Sts., Stockton. Frame cottage.  
Owner—T. Caestlin, Stockton.  
Architect—None.  
Day's work.

COST, \$2500

## COMPLETION NOTICES.

## San Joaquin County.

Recorded Accepted  
 June 30, 1919—LOTS 5AND "E" Bk  
 4, Lake Terrace, Stockton. John  
 Wetkavsky to A. Jefford.  
 June 27, 1919

## SCHOOL PAINTING BIDS WANTED.

FRESNO, Fresno Co., Cal.—F. B. Strom, Clerk of the Raisin City School District, Rt., G. Box 287, Fresno, Cal., is receiving bids for the painting of the Raisin City School building.

No closing date for receiving the bids has been set.

## TO SELECT ARCHITECT FOR CHICO SCHOOL.

CHICO, Butte Co., Cal.—The Chico Board of Education will shortly select an architect to design plans for the proposed new high school building. Architects Woollett & Lamb, of Sacramento, have been in consultation with the School Board regarding the building.

## BIDS RECEIVED AT WASHINGTON AND SAN DIEGO FOR ELECTRIC DISTRIBUTING SYSTEM.

WASHINGTON, D. C.—Only one bid was received by the Bureau of Yards and Docks, Navy Department, Washington, for gas and electric distributing system at San Diego under Specification No. 3921. Three bids were received at San Diego.

**Bid Received at Washington.**  
 Carroll Elec. Co., Washington, D. C., \$56,900.

**Bids Received at San Diego.**  
**Electric System.**  
 Brenlin Electric Works, San Diego, \$43,750.  
 Newbery Elec. Co., Los Angeles, \$44,978.

**Gas System.**  
 Lange & Bergstrom, S. F. \$45,000.  
 Jas. Haverty, Los Angeles, \$6,875.  
 S. Julian, San Diego, \$7,979.  
 Lange & Bergstrom, \$8,245.  
 (27976) 1st report June 10; 2nd June

## TO PURCHASE MOTOR.

SACRAMENTO, Cal.—Upon the recommendation of Commissioner of Public Works Thomas Coulter, the City Commission has granted authority to City Engineer Frank C. Miller to purchase and install a 300-horsepower motor at the pumping plant of the water works, to be used in connection with the booster pump which was installed last year for use during the low period of the river. The new motor will cost in the neighborhood of \$3,400.

## STREET WORK PLANNED.

OAKLAND, Cal.—The City Council has adopted plans and passed a resolution of intention providing for the following work:

That portions of 37th avenue in the vicinity of E-14th street be graded, curbed with concrete, guttered with concrete gutters, and paved with oil-macadam pavement. L. W. Cummings is City Clerk.

## STREET WORK PLANNED.

BERKELEY, Alameda Co., Cal.—The City Council has passed a resolution of intention providing for the following work:

That the S  $\frac{1}{2}$  of Bancroft Way in the vicinity of College Ave., be graded concrete curb and gutter be constructed; the roadway be paved with an asphaltic wearing surface, and an asphaltic binder course laid on a concrete base. A. G. Briggs is City Clerk.

## STREET WORK PLANNED.

STOCKTON, San Joaquin Co., Cal.—At the last meeting of the City Council plans and specifications for the improvement of Market street between Commerce and Center streets were adopted. Bids will be called for shortly.

## BONDS FOR MUNICIPAL IMPROVEMENTS.

POMONA, Cal.—The municipal improvement committee has proposed a bond issue of approximately \$100,000 to provide for a City Jail and Fire Hall, 4 comfort stations, permanent seats for Greek theatre, a bridge on Park drive at Ganesha Park, addition to swimming pool at Ganesha Park, sprinkling system at Lincoln Park, a street roller, street sweeper, auto truck and stormdrains.

## IMPROVEMENTS FOR BENICIA ARSENAL.

WASHINGTON, D. C.—Colonel W. W. Gibson, Acting Chief of Ordnance, has advised Representative Charles Curry that he had approved plans for a new quartermasters' warehouse at a cost of \$20,000 and for an artillery storehouse to cost \$131,000 at Benicia Arsenal, and had directed the Construction Department to proceed with the work at once.

General Marshall, Chief of the Construction Division of the War Department, told Congressman Curry work would start immediately.

## STATE HIGHWAY CONTRACTS AWARDED.

SACRAMENTO, Cal.—The following contracts have been awarded by the

State Highway Commissioners:

Mendocino County, between Hopland and Easterly Boundary (I-Men-16-A), about 9.7 miles in length to be graded.

Awarded to J. P. Holland, 549 Brannan St., San Francisco, on his bid of \$119,751.80. Engineer's Estimate, \$100,347.20.

Merced County, between Merced and Easterly Boundary (VI-Mer-18-A), about 14.9 miles in length to be paved with Portland cement concrete.

Awarded to J. E. Lee of Tulare at \$142,750. Engineer's Estimate, \$140,725.

Lake County, between Westerly Boundary and Lakeport (I-Lak-16-A), about 9.4 miles in length to be graded.

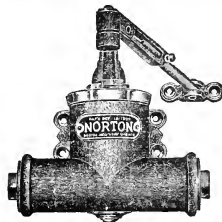
Bids rejected. New bids to be called. A. J. Fairbanks of Willits submitted the lowest bid at \$131,790.10. (27417) 1st report May 15; 2nd June 9, 1919; (27739) 1st report May 28;

## BIDS FOR FURNISHING FIRE HYDRANTS WANTED.

HILLSBOROUGH, San Mateo Co., Cal.—Bids will be received by the Board of Trustees of Hillsborough, John A. Hoey, Town Clerk, Room 440 Holbrook Bldg., San Francisco, up to July 15th, 5 P. M., for furnishing and delivering the following material:

11 cast iron fire hydrants, delivered f. o. b. Burlingame, Cal., equipped with connections for 4-inch cast iron pipe line; hydrants to have one outlet with standard California 2½ inch hose thread; details to be furnished by the bidder.

## The Norton Liquid Door Check



3 speeds; perfect control inclosing Holder Arm feature, in place of foot bolts. No disfigurement of marble, mosaic or tessellated floors.

**NORTON DOOR CHECK AGENCY**  
 1 M. Morrell, Agt.  
 Tel. Kearny 740 273 Minna St., nr 4th

## CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 2735.

## READY TO BUILD ROAD, BUT FINDS MACHINERY IS HARD TO OBTAIN.

OAKDALE, Cal.—The county engineer has begun assembling the material for the Waterford-Oakdale road, of which two and a half miles of paving are still to be completed. This work was left uncompleted when the money in the bond fund was exhausted, and the supervisors agreed to appropriate the required balance with the beginning of the new fiscal year. This money is now available and work has been ordered resumed. The greatest difficulty confronting the county engineer is the fact that the road building machinery was nearly all rented stuff, and since work stopped much of it has been shipped out of the county.—Stockton Record.

## BRIDGE PLANS ORDERED.

MERCED, Merced Co., Cal.—The Board of Supervisors have instructed the County Surveyor to prepare plans and specifications for the construction of a wooden bridge over Stevinson canal on Mariposa Island Road in Road District No. 2.

## PREPARING PLANS FOR SWIMMING POOL.

COLTON, San Bernardino Co., Cal.—W. S. Skinner, engineer for the Ventura Refining Co., is preparing plans for the city park swimming pool. It will be 65x180 feet, from 18 in. to 9 ft. in depth, constructed of cement. There will also be dressing rooms.

## WATER SYSTEM BONDS VOTED

BLTYHE, Riverside Co., Cal.—Bonds to amount of \$36,000 for a municipal water system were voted at a special election. Olmsted & Gillesen, Hollingsworth Bldg., Los Angeles, are the engineers.

## PAVING PLANNED.

TULARE, Tulare Co., Cal.—The City Trustees have taken up the matter of paving city streets on about forty blocks, including Inyo street, to the state highway, North J street, connecting with the Fresno highway, 12 blocks on E-Kern street, 7 blocks on W-Tulare street and one lateral street by Pavilion park connecting Tulare and Kern streets.

## TO IMPROVE GAS PLANT.

BRAWLEY, Imperial Co., Cal.—The Imperial Valley Gas Company has been ordered by the Railroad Commission to improve its system and give better service to the people of

Brawley. In a decision rendered recently in a suit brought by the city of Brawley against the utility, the commission stipulates just what improvements are to be made, and fixes a time limit of 30 and 60 days on the work. It is estimated that the improvements will cost in the neighborhood of \$25,000. Among the improvements ordered are: a steam boiler, a positive blower and a calorimeter, with a \$15,000 gas holder at Brawley.

## BONDS VOTED FOR GAS PLANT.

LINDSAY, Tulare Co., Cal.—Bonds to amount of \$85,000 for a municipal gas plant were voted. Olmsted & Gillesen and J. M. Berkley, Hollingsworth Bldg., Los Angeles, are the engineers.

## Street Improvement Contract Awarded

BISBEE, Ariz.—P. V. McPeak, 2415 Gramercy Park, Los Angeles, has been awarded the contract for grading and paving various city streets involving about 40,000 sq. yds. concrete paving, 5, 6, 7, and 8 in. thick, without wearing surface. There will also be cement curbs and sidewalks. Mr. McPeak's contract amounts to about \$105,000. The city furnishes cement. Bids were also submitted by Geo. H. Oswald of Los Angeles, and Warren Bros. Co., Mr. Halleck, City Engineer.

## BIDS WANTED FOR PUMP

EAGLE ROCK CITY, Los Angeles Co., Cal.—Until 5 P. M., July 21, bids will be received by City Clerk Benj. B. Martsof for furnishing one deep well turbine pump of centrifugal runner type, installed at a depth of 100 ft. with 35 ft. suction pipe below, lower five ft. to be perforated for strainer; pump head to be full ball bearing, full floating type direct connected to 25 h. p. 970 R. P. M. vertical motor; pump to have capacity of 350 gallons per minute on 125-ft. lift. Certified check for 10% required.

## Street Improvements Planned.

SACRAMENTO, Cal.—Street improvements by the City for next year in the amount of \$126,596 will be recommended to the City Commission by Commissioner of Streets D. W. Carmichael, who is preparing the budget of his department for 1920.

These streets are those already accepted by the city as permanently improved, but which have become so badly worn that repair must be made. The recommendations include surfacing of these streets, at the expense given:

K street, Front to Eleventh, \$15,750; Eleventh street, O to R, \$6,750;

Twelfth street, O to R, \$6,750; Fourteenth street, P to Z, \$2,700; K street Twenty-first to Thirtieth, \$21,700; L street, Fifteenth to Twenty-sixth, \$26,750; Eighth street, D to I, \$12,325; O street, Eighth to Eleventh, \$7,600.

## BIDS OPENED FOR TRAVELING CRANES.

WASHINGTON, D. C.—The following bids were received July 2nd by the Navy Department at Washington for furnishing Electric Traveling Cranes at Mare Island under Specification 3903:

Pawling & Harneschfeger, San Francisco and Milwaukee, Wis., \$118,550 and \$113,750.

Victor R. Browning, \$115,391 and \$92,198.

Bedford Foundry & Machine Co., Bedford, Ind., \$120,000.

Cleveland Crane & Engineering Co., Wickliffe, Ohio., \$103,000.

Niles-Bement-Pond Co., New York, \$112,600 and \$115,000.

Manning Maxwell & Moore, New York, \$115,102 and \$94,876.

Chesapeake Iron Works, Baltimore, Md., \$162,000.

Toledo Bridge & Crane Co., Toledo, Ohio., \$101,700 and \$112,500.

Cyclops Iron Works, San Francisco, \$126,333 and \$140,842.

## BIDS OPENED FOR SELF-DUMPING SKIPS.

SAN FRANCISCO.—The following bids were received July 2nd by the San Francisco Board of Public Works for four self-dumping skips and side plates under Contract No. 64 for the Hetch-Hetchy project.

Joshua Henry Iron Works.....\$3,920  
Michel & Pfeffer Iron Works.... 2,929

## HOME INDUSTRY LEAGUE OF CALIFORNIA.

From the kitchen to the drawing room, with all of the accessories from potato mashers to dresses, with daily reviews of fashions, is the plan determined upon by the Fashion Committee of the California Industries and Land Show, to be held at the Exposition Auditorium, October 4 to 19, under the auspices of the Home Industry League.

The display will be open to manufacturers of California. A plan simulating a model house, with drawing rooms, dens, boudoirs, dining room and the most modernly equipped kitchens, will be utilized for the setting.

It is anticipated that the exhibits in this model California home will run the gamut of household equipment



from California hams to original and artistic furniture. There is a wedding planned, an outing event, one where furs of untold value will be displayed, another for children, motor togs, shoes, leather bags, play garments, lingerie.

#### Contract Awarded for Street Improvement.

STOCKTON, Cal.—Clark & Henry Construction Co., 38 S-Sutter Street, Stockton, have been awarded a contract by the City of Stockton for the following work:

That South street from Sacramento to East street be improved by grading; curbing and guttering with combined concrete curb and gutter; constructing concrete sidewalks; paving the roadway; asphalt concrete base and bitulithic wearing surface.

#### PLAN TO ERECT BANK & OFFICE BUILDING.

SANTA ANA, Orange Co., Cal.—The First National Bank of Santa Ana, has decided to erect a 5 or 6-story bank and office building at the southwest corner of Fourth and Main streets. W. A. Huff, W. B. Williams and R. M. Simon have been appointed as directors as a building committee to handle all details of the project.

#### BIDS WANTED FOR TOOLS, ETC.

SEALED BIDS will be received in open session of the Board of Education to be held at 10 A. M., Tuesday, July 8, 1919, for the following supplies:

Tools and Hardware.  
Metal Work Supplies.  
Mechanical Drawing Supplies.  
Paints and Powder.

Ninety-six Manual Training Benches.

Specifications may be had on application to the undersigned.

M. R. NORRIS,  
Secretary Board of Education.

#### ARCHITECTS TO COMPETE FOR MARYSVILLE HIGH SCHOOL WORK.

MARYSVILLE, Cal.—The High School Board, L. P. Farris, Principal, will shortly set a date asking architects to submit plans for a new high school building for which a bond election will be called to finance construction. A site for the proposed building has already been selected.

#### K. P. LODGE OF MARTINEZ PLANS BUILDING.

MARTINEZ, Contra Costa Co., Cal.—Members of Golden Key Lodge, Knights of Pythias, are considering

plans for the building of a lodge hall here. Tentative plans will be discussed at the next meeting.

The matter of financing the project has been given considerable thought and consideration and it is believed that a scheme has been worked out whereby this can be taken care of by members of the order, which is one of the strongest of the local fraternal organizations.

#### Sonoma County Roads Soldiers' Memorials.

PETALUMA, Sonoma Co., Cal.—At a luncheon given here by the Chamber of Commerce, when representatives of the Santa Rosa and Sebastopol Chambers were present, it was decided to erect memorial arches or pillars at every road entering Sonoma county.

The arches will be built in recognition of the great work of the world's war veterans of Sonoma county. There are ten roads leading into the county and it is proposed to use Sonoma county stone in the erection of the structures. H. W. Wood of the "Courier" and H. W. Kerrigan of the Chamber of Commerce were named a committee to devise means of raising funds to build the memorials.

#### PRATT BUILDING MATERIAL COMPANY ENLARGING PLANT.

##### REDWOOD TANKS WANTED.

MARYSVILLE.—Pratt Building Material Co. are re-building and enlarging their sand loading plant on the Yuba River near the "D" St. bridge. Rolla Thompson has a gang of men building a new tower, adding a screen-plant, etc. The above company is in the market for two-second-hand redwood water tanks, 14 x 14'. These tanks will be used to drain the water off the sand after it is washed and screened. The Marysville plant will be a duplicate of the Pratt plant on the American River at Sacramento.

#### TO BUILD RAILROAD.

AJO, A. Z.—Col. J. C. Greenway, General Manager of the New Cornelia Copper Co., is reported to have raised \$12,000,000 to build a railroad from Ajo to Tucson and from Ajo to the Gulf of California. Surveyors are now locating the line to the gulf.

#### ASSOCIATION FORMED TO BUILD VALLEJO HOTEL.

VALLEJO, Solano Co., Cal.—P. J. Hanlon, James B. McCauley, James V. O'Hara, Daniel Brosnahan, Dr. James J. Hogan and W. D. Pennycook form

the Advancement and Investment Association of Vallejo which plans the erection of a \$200,000 hotel building in this city. It is probable that the building will be erected at Marin and Virginia Streets.

#### STATE HIGHWAY CONTRACTS AWARDED.

The following awards have been made by the Advisory Board of the Department of Engineering, June 18th, 1919:

To Healy-Tibbetts Constr. Co., 9 Main St., San Francisco, Cal.

For the construction of a bridge across the Salinas River at King City, Monterey County, Division V, Route 2, Section F. Contract price, \$234,316.90.

To Joseph G. Donovan, 780 Lyon St., Los Angeles, Cal.

For the construction of a section of State highway in Fresno County, Division VI, Route 10, Section D (between Coalinga and Oil King School) Contract price, \$128,996.50.

#### PREPARING PLANS FOR PAVING.

BAKERSFIELD, Kern Co., Cal.—City Engineer Hubbard was instructed to prepare plans and specifications for paving Cedar and "C" streets, and new specifications for paving Seventeenth street, bids for which were previously received and rejected.

#### PREPARING PLANS FOR UNDERGROUND R. R. CROSSING.

MARTINEZ, Contra Costa Co., Cal.—The Contra Costa County Supervisors have ordered the County Surveyor to prepare plans and specifications for an underground crossing across the tracks of the Santa Fe Railway on Franklin Canyon Road near Christie Station.

#### SCHOOL BONDS.

SUMMIT, Siskiyou Co., Cal.—An election will be held in the Summit Union School District on June 27th, to decide the question of issuing and selling bonds of \$15,000 with which to erect a new school building.

Trustees of the District are: J. M. White; Alex Albee; L. M. Hobson; Wm. Thurston; Fred E. Stone; W. O. Stone.

FRESNO, Fresno Co., Cal.—The Trustees of the San Joaquin School District have decided to call an election to vote bonds with which to erect a new school building to replace the one recently destroyed by fire. A \$15,000 building is planned.

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron

# work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

### JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

### Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock Doors, Sash Frames and Mouldings.

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

### FRED H. BOGGS

### INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BIRCH  
AROMATIC-RED CEDAR  
BOTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
RICHMOND-LAUREL-WHITE  
OREGON MARLE-PLAIN OAK  
QUARTERED OAK  
WYBROOK-ANDONG OAK  
RED PLAR-WALNUT



BOXWOOD-EBONY-IRONBARK  
JENISERO-KOA-SPANISH CEDAR  
LIGNUMVITAE-MAHOAGANY  
ROSEWOOD-TEAK-RED BEAN  
SPOTTED-GUM-CRASSIA WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO KNEELED PANELS  
DOWELS-TREENAILS-VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

### PIERCE-BOSQUIT

### Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET

# Building & Engineering News

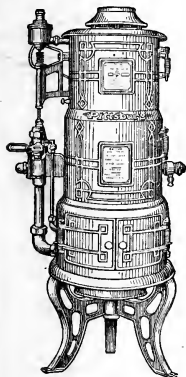
10 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., July 16, 1919

Published Every Wednesday  
Nineteenth Year, No. 29



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze Will not exude

Will not give off noxious gases

No thawing

No leaking

No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

President—Dr. F. H. Newell, University of Illinois, Urbana, Ill.  
 First Vice-President—W. W. DeBerdard, Western Editor, Engineering News-Record, Chicago.  
 Second Vice-President—T. A. Evans, Structural Engineer, Meade-Morrison Co., Chicago.  
 Treasurer—John Ericson, City Engineer, Chicago.  
 Secretary—C. E. Drayer.

W. W. K. Sparrow, Chief Engineer, C. M. & St. P. Ry., Chicago.  
 P. E. Harroun, Consulting Engineer, San Francisco, Calif.  
 R. Burnham, Consulting Engineer, Chicago, Ill.  
 F. D. Richards, Bridge Engineer, City of Cleveland.  
 A. A. Matthews, Chief Engineer, St. L. S. W. R. R., Tyler, Texas;  
 E. F. Collins, Valuation Engineer, St. L.-S.F. Ry., St. Louis.  
 C. H. Crawford, Baldwin Locomotive Works, Philadelphia.  
 W. H. Finley, President, C. & N. W. Ry., Chicago.  
 Harold Almert, Consulting Engineer, Chicago.  
 F. K. Bennett, Principal Assistant Engineer, M. & St. L. Ry., Minneapolis.  
 J. H. Prior, Consulting Engineer, Chicago;  
 Alexander Potter, Civil Engineer, New York City.  
 J. N. Hatch, Consulting Engineer, Chicago.

## NATIONAL HEADQUARTERS

29 S. La Salle St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal..... PRESIDENT  
 A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal..... SECRETARY  
 O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal..... TREASURER  
 L. D. HOWLAND, Engineer, C. C. Moore Co..... FIRST VICE-PRESIDENT  
 J. F. JOHNSTON, Engineer, Union Construction Co..... SECOND VICE-PRESIDENT  
 I. G. GRUNDEL, Engineer Union Oil Co. .... THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles ..... W. P. R. R.  
 L. D. Howland ..... C. C. Moore Co.  
 J. F. Johnston ..... Union Const. Co.  
 I. G. Grundel ..... Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown ..... S. P. R. R.  
 E. B. Crane ..... C. M. & P. S. Ry.  
 P. J. Rowell ..... I. C. C.

### PUBLICITY COMMITTEE

E. D. Brown ..... Redwood Mfgs Co.  
 G. M. Nelson ..... Consulting Engineer

### QUALIFICATION COMMITTEE

W. H. Phelps ..... S. P. Co.  
 O. R. West ..... A. T. & S. F. R. R.

### MEMBERSHIP COMMITTEE

D. L. Reynolds ..... Pac. Fruit Exp.  
 W. H. Rupp ..... S. P. R. R.  
 E. D. Brown ..... Redwood Mfg. Co.  
 H. I. Benjamin ..... S. P. R. R.  
 H. W. Shrieber ..... Union Const. Co.  
 J. E. Norton ..... I. C. C.

### POLITICAL COMMITTEE

E. H. Herbert ..... Oliver Mfg. Co.  
 FELLOWSHIP COMMITTEE  
 W. H. Rupp ..... S. P. R. R.

*San Francisco Chapter Office, 700 Marston Bldg.*

A. G. Mott, Secretary

244 Kearny St., S. F.

# Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities  
on the Pacific Coast.

Issued Weekly, \$4.00 per year

San Francisco, Cal., July 16, 1919

Nineteenth Year, No. 29



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,  
Publisher and Proprietor.

Subscription Rates—One Year, \$3.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE  
560 Mission Street.  
Telephone—Douglas 2372.

## Notice!

Owing to the advanced cost of materials and labor the subscription price of the Building and Engineering News has been raised to \$4.00 per year, commencing July 1, 1919.

## Among the Architects.

Architect Joseph L. Stewart, Claus Spreckels Bldg., has completed plans and is taking figures for the construction of a one-story and basement reinforced concrete and brick garage building to be erected on the south side of Mission street, 175 feet west of Sixth street, for the Sierra Investment Company. Estimated cost, \$25,000.

Mr. Stewart is also preparing plans for the following buildings: A seven story and basement Class "A" apartment house, 150x300, to be erected in San Francisco, at a cost of \$150,000; a two-story reinforced concrete garage building, 110x140, to cost in the neighborhood of \$45,000, and a three-story reinforced concrete apartment house and store building to be erected on Eddy street near Polk street. Estimated cost, \$26,000.

Architects Reid Bros., 105 Montgomery street, are preparing plans for a reinforced concrete theatre building, 70x120, with a seating capacity of 3,200. It will be erected on

Fourth and "G" streets, Eureka, Humboldt County, for Richard Sweasey, 402 "G" street, Eureka. Estimated cost, \$75,000.

Architect Edward T. Foulkes, Crocker Bldg., is taking figures for the construction of a one-story brick garage building to be erected on South "J" street, Fresno. Darbinian Brothers are the owners and the building has been leased to Charles Foreman Sales Company, Agents for the Briscoe Car. Estimated cost, \$12,000.

Architect A. Willoner, 403 21st St., Sacramento, is preparing plans for two one-story additions to frame school buildings in the North Sacramento School District. Estimated cost, \$15,000.

Architect Chester Cole, of Chico, has completed plans and figures are being taken for the construction of a one-story hollow tile two-room school building to be erected in the Knights School District, Grafton, Yolo County. Bids close July 12, 1919. Estimated cost, \$12,000.

The W. E. Kier Construction Company of San Diego, have been awarded a contract by the United States Government for the construction of a hollow tile administration building, walks and roads at the Naval Air Station, North Island, San Diego County. Contract price, \$203,394.

Architect Henry C. Smith, Humboldt Bank Bldg., is taking segregated figures for the construction of a three story and basement frame apartment house to contain three apartments of eight rooms and four bathrooms each. It will be erected on the southwest corner of Laguna and Clay streets for Miss E. J. Booth. Estimated cost, \$35,000.

Architect W. H. Toepke, 942 Market street, has completed plans for alterations and extensions to the banking rooms of the Bank of Italy No. 277 B street, San Mateo. The building is a two-story brick structure. A marble front, new fixtures, etc., will be installed. Estimated cost, \$20,000.

Architect Edward T. Foulkes, Crocker Bldg., is preparing plans for a frame church building for the Third Church of Christ Scientist of Berkeley, Alameda County. Estimated cost, \$20,000.

Architect Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles, is preparing preliminary plans for two two-story and basement hollow tile buildings for the University of Redlands, San Bernardino County. One will be the Science Hall, 60x120, and the other a men's dormitory, 136x40. Estimated cost, \$150,000.

Architect James A. Magee, 661 Phelan Bldg., has completed plans and is taking figures for the construction of six apartments with garage space in basement at the southeast corner of Clay and Spruce streets for Miss Hannah Rigney. Segregated bids are being taken. Estimated cost, \$13,000.

Mr. Magee is preparing plans for a five-story brick apartment house of two and three rooms to be erected on Post street. Estimated cost, \$35,000. He is also preparing plans for a six-story steel frame and reinforced brick semi-fireproof apartment house, 69x100, three and four rooms, for the Nob Hill District to cost about \$100,000.

Architect Edw. T. Foulkes, Crocker Bldg., is preparing plans for a two-story frame residence to be erected in the Claremont District, Oakland, for Mr. Shuman. Estimated cost, \$10,000.

Mr. Foulkes has also completed plans for alterations to Maple Hall on the northeast corner of Fourteenth and Webster streets, Oakland. Estimated cost, \$5,000. Work will be done by day's labor.

Architect Clay N. Burrell, 1st Trust Bldg., Oakland, is preparing plans for a four-story and basement reinforced concrete hotel building to be erected at Fifth and "E" streets, Marysville, Yuba County. The Coit Investment Company, 306 14th St., Oakland, is the owner. Estimated cost, \$200,000.

Plans will be completed in about 30 days, when sub-figures will be taken. Work will be done by days labor under the supervision of Roger Coit,

# American Association of Engineers

## OUR NEW PRESIDENT.

*Dr. Frederik Hayes Newell.*

President American Association of Engineers.

May 1919---1920.

Dr. F. H. Newell is Head of the Civil Engineering Department of the University of Illinois and is widely known as a public spirited engineer. He has been called "Father of the U. S. Reclamation Service," of which he was first Chief Engineer (1902-07) and Director (1907-14).

He has had a most active part in all of the reform movements in the engineering profession in the last few years from the first organization meeting of the American Association of Engineers in Chicago in the fall of 1914 to the Conference for promoting the Department of Public Works called by Engineering Council late in April of this year. He has served as President of the Committee on Engineering Cooperation from its organization in Buffalo in 1915 to the present time. He was one of the founders of the Washington Engineering Society and served as its President. He is a member of the American Society of Civil Engineers, American Society of Mechanical Engineers, Western Society of Engineers and was one of the original members of Engineering Council.

Mr. Newell graduated in 1885 at the Massachusetts Institute of Technology and after field experience in Colorado and other states was appointed on October 2, 1888, as Assistant Hydraulic Engineer of the U. S. Geological Survey. He actively assisted in the preparation and public presentation of various congressional bills, one of which by the personal efforts of President Roosevelt became the Reclamation Act when signed by the latter on June 17, 1902. Immediately after that date Mr. Newell was appointed Chief Engineer under Charles D. Walcott, then Director of the U. S. Geological Survey.

During the next few years the organization of the Reclamation Service was completed and plans outlined for extensive work in each of the western arid states, work being initiated on most of these. In 1907 the Reclamation Service was organized as a separate bureau of the Department of the Interior with Mr. Newell as Director.

The late Theodore Roosevelt has written, "For fourteen years I have followed at first hand the work of Mr. Frederik H. Newell. I speak from my personal knowledge when I say that he was one of the most loyal, disinterested and efficient public servants the United States has had throughout that period. He is a public servant of whom it is the bald and literal truth to say, that by his services he has made all good American citizens his debtors."

He has written quite extensively on the problems of development and use of the resources of the country, his principal books being upon irrigation, the public lands and related subjects, notably "The Public Lands and Their Water Supply."

### "THE ENGINEER IN POLITICS." How Far Will A. A. E. Go in Politics?

By W. A. STINCHOMB

[Address before Fifth Annual Convention of the American Association of Engineers, in Chicago, May 1919]

Before entering into a discussion of the topic assigned to me today,—"The Engineer in Politics"—I want to congratulate the officers of this organization, the program committee and the secretary for the splendid and unusual program arranged for this meeting, and particularly for bringing up for discussion the subject assigned to me,—not that I feel qualified to properly and fully discuss the same, but because of its great importance.

To have prepared this program of topics of such social and human interest, I have no doubt required a degree of daring of a kind not possessed by some in the profession. Too often, in my opinion, have engineering societies held themselves aloof, perchance feeling themselves above getting into discussions of political subjects.

Let me make myself clear in the use of the word "politics." I do not refer to it in its partisan sense, but I do most decidedly refer to it in a civic or governmental sense.

To say that the A. A. E. and its members shall not go into politics would be to deny to the Country and the local communities within which it has chapters the services of an organization of men who, by natural ability, by education, by training and by experience are most capable of serving the public and in directing and educating the voters on questions of public policy, and would deny to its members the fulfillment of their obligations as citizens of this Republic.

Now I know that a natural tendency exists among engineers not to take an active part in politics, but by so doing they evade their full responsibilities as citizens. In my opinion a man's responsibilities to his city, his state and his Country increase just as his abilities and opportunities increase.

Shall any one say that the engineer's training and experience does not better fit him to solve the problems of government as our civilization becomes more complex, than one trained in any of the other great professions?

### What Are Some of These Political Problems?

In our cities practically all of our public problems are subject to scientific analysis. Is the subject one of developing the physical plan of the city, including the adequacy and location of its highways, the kind and strength of its pavements, the development of its park and recreation facilities, the working out of a proper drainage or the planning of its transportation facilities, either rail or water? Surely the engineer is best qualified to solve such problems. He is now called on for advice in these matters, and in my opinion he should be the one to largely decide.

In matters of public health as influenced by problems of sanitation such as sewage and garbage disposal, water supply and building and housing regulations, he is best qualified.

Even in the welfare and social problems of the city his analytical training fits him to search out the cause of our social evils and ills,—to relieve them rather than apply only palliative and preventative measures.

Shall any one say that he is less qualified to organize and direct the ordinary housekeeping affairs of a city because of his training and experience?

One of the most difficult and always present problems of all government is that of financing and taxation. It is the constant duty of the engineer in his practice to so design, execute and organize his work so that in terms of unit cost that cost shall be as low as possible. All problems of public taxation must go back to a proper appraisal of the property taxed whether that property be in a tangible or intangible form. Here again his experience and training fit him well to efficiently serve.

So we might analyze the many problems of state government, such as the development of a system of highways commensurate with the traffic needs of the day, the regulation and control of public utilities, the development of water transportation, the industrial and social problems affecting the workers in mines and factories, the care of the wards of the state, the development of its educational system, and the conservation and development of its natural resources. In all of these we find his training and experience should particularly fit him to serve.

Our national governmental problems are best solved when the engineering mind influences their solution.

And so in my opinion the engineer should take a dominant part in politics, and this Association as an organization should wield a forcible influence in determining the civic and governmental policies,—not as a right only, but as an obligation which both the engineer and the Association owe to society.

### Political Activity Beneficial to the Association.

"But," I hear some timid soul say, "what effect will that action have on the engineer and this Association?" In my opinion it cannot be anything but beneficial.

This convention has had its attention called to the inadequacy of the salaries paid engineers in public service. Various means will be discussed as to methods by which salaries may be properly and equitably increased. How better can this be done than that the members of this profession shall take an active interest in the political questions of their communities?

We have noted the appointment of men neither fitted by education or training to take charge of departments of public service which really require the services of the trained engineer. We have seen the engineer subordinated to such superiors. He has seemingly been content to let his "light shine under a bushel," and have the accomplishments of his brain and energy appropriated by those to whom they do not rightly belong. By a more active participation in politics these injustices would be removed and credit bestowed where it rightfully belongs.

We have seen national organizations of other professions jealously guarding the business interests of the members of their professions. There is the National Bar Association, the various national organizations of the medical fraternity, whose efforts are used not only in maintaining a proper code of ethics in the profession, but in seeing that the members of that profession as a body are not discriminated against by the passage or operation of what they consider to be unjust laws. And so in halls of legislatures their representatives are seen when measures affecting those professions are under discussion,—and the professions referred to do not have to do with the public work of the state in any degree compared with that of the engineer.

It has always seemed to me that the engineer himself has been to blame for the position in which he is held by society and for the meagerness of the salaries paid by both public and private corporations for his services. He has been retiring in his nature, content to too large a degree to take his reward from the satisfaction growing out of difficult problems well solved and difficult work well performed.

I recognize the fact that there are certain kinds of professional advertising which are distasteful, but I know that you cannot expect to have the public place a proper estimate on the value of a profession unless that profession itself as an organized unit holds it up to a high standard of value. This in a large measure can be accomplished by a proper indulgence by the engineer in the political problems and discussions of the day.

We cannot in a democracy expect to maintain our government for any length of time in advance of the intelligence of the voters. The intelligence of the voter is only expressed through the polls and is influenced by the kind of political education which the voter receives. In elevating the standard of citizenship the engineer can and should be a leader in his community.

To be anything less not only results generally to the disadvantage of the individual but decidedly to the disadvantage of his profession, and is a direct evasion of the responsibilities of citizenship which his training and ability impose upon him.

Therefore, in my opinion the members of this organization and the organization itself should take an active part in politics in the sense in which the word has been used.

They and it should become leaders in moulding public opinion in a manner free from partisan political bias.

\* \* \* \*

### MINUTES OF THE MEETING OF LOS ANGELES CLUB.

American Association of Engineers  
Held June 24th, 1919.

Christopher's Cafe, 741 S. Broadway  
Los Angeles, Calif.

The meeting was called to order by temporary president, E. G. Sheibley, and the temporary organization, consisting of president and secretary was approved by the meeting by motion made and carried.

The president called for nominations for a temporary president to hold office until the permanent organization of the chapter had been effected. A. L. Harris proposed to the meeting that E. G. Sheibley be continued in office until a permanent chapter had been established, and the proposition was put in the form of a motion, seconded and carried. Motion was then made and carried that A. L. Harris be continued as secretary for the same purpose and the same length of time.

By motion made and carried E. Hardy Merrill was elected treasurer for the temporary organization. The members present included the following:

Garrison Babcock, E. G. Sheibley, A. L. Harris, E. Hardy Merrill, Waslekar, E. Earl Glass, F. C. McMillan, J. F. Lambert, G. C. Mattis.

Among the guests were Henry Z. Osborne, Jr., president of the Los Angeles Engineers and Architects Association of Southern California, and Mr. Prine, Editor of the Southwest Builder and Contractor, published in Los Angeles; also Major Garrison Babcock past president of the association from Chicago.

Major Garrison Babcock was introduced by the chairman and spoke at length upon the aims and objects of the American Association of Engineers.

It was then suggested by Mr. Harris that each man be given a short time to express his ideas of the association and its work which was concurred in by the meeting and a very interesting discussion took place. Major Garrison Babcock was able to suggest many valuable ideas in connection with our new organization and the principles which should guide it. After the speaking by each individual member a general discussion took place and at 10:30 p. m. the meeting adjourned.

A. L. HARRIS, Sec.

### HOME INDUSTRY LEAGUE OF CALIFORNIA.

The prospectus of the California Industries and Land Show, to be given at the Exposition Auditorium, San

Francisco, October 4 to 19, under the auspices of the Home Industry League, has been issued.

The little booklet announces in its foreword the purpose of the first annual California Industries and Land Show as an important post-war event.

"California," it reads, "was first called upon to help successfully prosecute the war. She was found more than equal to her task in the furnishing of supplies for this Government, as well as for the Allies.

"The greatest opportunity of California is now. Revealing that of which she is capable, the State should henceforth be cultivated to its capacity. New factories should be built and the manufacturers should double their output—a campaign for intensive cultivation and production should be inaugurated."

To stimulate this interest and to know the producing power of California is the primal purpose of the Home Industry League in launching this big event.

The Exposition Auditorium, exhibition plan-decorations, are all covered and the entertainment chapter is of particular interest.

Band and orchestral concerts, moving pictures, special county celebrations, prophesying the carnival flavor to the Show, while for the visitors desiring the maximum of educational diversion,—there will be lectures bearing on manufacture, horticulture, agriculture and livestock, with free moving pictures on all subjects.

An announcement of interest is the utilization of the world-famed Exposition organ, located in the Exposition Auditorium, to be placed in a series of recitals by Edwin Lemare, the distinguished organist.

The premium list, completely covered, includes all of the articles of the state from agriculture to toys. Gold, silver and bronze medals are to be the awards, according to the announcement, with loving cups and ribbons.

According to Edward H. Brown, general manager of the California Industries and Land Show, the event is meeting with enthusiastic response. "It is a record-breaker," declares Brown. "Although we are four months removed from the opening of the Show, two-thirds of the space available for manufacturers has already been sold. That is setting a pace that will be difficult to keep up with."

The Land Show Committee includes F. D. Fagan, General Electric Company, Chairman; F. L. Washburn, president Western Meat Company; R. R. Rogers, Rogers Chemical Co., and Edward H. Brown, general manager.

# ADVANCE NEWS

## Official Proposals, Etc.

**Contract Awarded.**

**ADDITION** Cost, \$14,173  
HILLSBOROUGH, San Mateo Co., Cal.  
One-story addition to frame and plaster school.

Owner—Hillsborough School District.  
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Contractor—R. Caldwell, 152 Ellsworth St., San Mateo, Cal.

**Sketches Being Prepared.**

**MARKET BLDG.** Cost, \$—  
SAN FRANCISCO. Market & Eighth.  
One-story concrete and brick market building.

Owner—McCreery Estate, 221 Sansome St., San Francisco.

Architects—Weeks & Day, 933 Phelan Bldg., San Francisco.

**Contract Awarded.**

**GARAGE** Cost, \$20,000  
SAN FRANCISCO. Belcher Street, bet. 14th and 15th Streets.

One-story Class "C" garage, 100x120.  
Owner—Thos. O'Day.

Architect—Mat. O'Brien, Foxcroft Bldg., San Francisco.

Excavating and concrete work awarded to the Mission Concrete Co.

Plumbing to O. Kurtz.  
Electric work to The Decker Elec. Company.

Galvanized iron work to The Guilfoxy Cornice Co.

Carpentry, roofing and painting under consideration.

**Plans Being Prepared.**

**APARTMENTS** Cost, \$100,000  
SAN FRANCISCO. Nob Hill District.  
Six-story steel frame and reinforced brick apartment house, 69x100. (3 and 4-room apts.).

Owner—Withheld.

Architect—Jas. A. Magee, 661 Phelan Bldg., San Francisco.

**Plans Being Figured.**

**DEPARTMENT STORE** Cost, \$—  
SACRAMENTO. "K" St., bet. 8th and 9th Streets.

Four-story Class "A" department store building.

Owner—Geo. W. Ewen.  
Architects—Woollett & Lamb, Physicians' Bldg., Sacramento.

**Ready for Figures Shortly.**

**SCHOOL** Cost \$33,000  
GEYSERVILLE, Sonoma Co., Cal.

One-story reinforced concrete school building (6 rooms and auditorium.)

Owner—Geyserville High School District.

Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

NOTE:—Bonds have been voted.

**Segregated Figures Being Taken.**

**ALTERATIONS** Cost, \$13,000  
SAN FRANCISCO. SE Clay & Spruce Streets.

Alter three-story frame building into (6) apartments and garage in basement.

Owner—Miss Hannah Rigney.  
Architect—Jas. A. Magee, 661 Phelan Bldg., San Francisco.

**Structural Steel Being Figured.**

**APARTMENTS** Cost, \$225,000  
SAN FRANCISCO. NW Geary and Taylor Streets.

Six-story and basement reinforced concrete apartment house.

Owner—I. Rosenberg, 333 Kearny St., San Francisco.

Architect—Joseph Cahen, 333 Kearny St., San Francisco.

**Contract Awarded.**

**SCHOOL** Cost, \$67,981  
WASCO, Kern Co., Cal. Wasco School District.

Reinforced concrete and brick school building.

Owner—Wasco School District.  
Architect—J. M. Saffell, Fiske Bldg., Bakersfield, Cal.

Contractor—Henry Eissler, Bakersfield, Cal.

**Contract Awarded.**

**ADMINISTRATION BLDG.** Cost, \$203,394.  
NORTH ISLAND, San Diego Co., Cal.

Naval Air Station.

Hollow tile administration building and walks and roads.

Owner—United States Government.  
Architect—Not Given.

Contractor—W. E. Kier Constr. Co., San Diego, Cal.

**Plans Being Figured.**

**RESIDENCE** Cost, \$10,000  
BERKELEY, Cal. Claremont.

Two-story frame residence.  
Owner—A. J. Ames.

Architect—Clarence A. Tantau, 502 Clunie Bldg., San Francisco.

**SPECIFICATIONS**

Chimneys, brick; Exterior Finish,

cement plaster; Floors, hardwood; Iron Work, ornamental iron; Roof, wood shingles.

**Contracts Awarded.**

**FACTORY** Cost, \$—  
SAN FRANCISCO. No. 940 North Point Street.

One-story brick addition to factory.  
Owner—D. L. & D. Ghirardelli & Co.

Architect—Wm. Mooser, 1105 Nevada Bank Bldg., San Francisco.

Brick work awarded to H. H. Larsen, 62 Post Street.

Carpenter work to G. Petterson, 62 Post Street.

Plumbing and electric work to O. Kurtz, 445 Stevenson Street.

**Sub-Figures Being Taken.**

**GARAGE** Cost, \$25,000  
OAKLAND, Cal. Broadway near Piedmont Avenue.

One and two-story reinforced concrete and brick commercial garage, 82x119.

Owner—William Greuner.  
Architect—Clay N. Burrell, 1st Trust Bldg., Oakland.

**Plans Being Prepared.**

**RESIDENCE** Cost, \$4,000  
BERKELEY. Walnut St.

One and one-half-story frame residence (6 rooms).

Owner—Withheld.  
Architect—Paul A. Needham, 2108 Shattuck Ave., Berkeley.

**To be Done by Day's Work.**

**RESIDENCE** Cost, \$6,000  
BERKELEY. No. 2064 Los Angeles Street.

Two-story frame residence (7 rooms and garage).

Owner—Herbert F. Kern.  
Architect—Paul A. Needham, 2108 Shattuck Ave., Berkeley.

**Ready for Figures in About A Week.**  
**STORAGE BLDG.** Cost, \$22,000

OAKLAND. East Oakland.

One-story reinforced concrete storage building.

Owner—East End Storage Co.  
Architect—Clay N. Burrell, 1st Trust Bldg., Oakland.

**Owner Taking Figures.**

**APARTMENTS** Cost, \$14,000  
OAKLAND. Chenery St., Piedmont.

Two-story frame apartments (8 apts).  
Owners—Leonard & Hall.



Architect—Clay N. Burrell, 1st Trust Bldg., Oakland.

Plans Being Prepared.

**BUNGALOWS** Cost, \$3800 each  
**BERKELEY.** North Cragnmont.

Three one-story frame bungalows.

Owner—Harold Havens Co.

Architect—Paul A. Needham, 2108 Shattuck Ave., Berkeley.

Plans Being Figured. Bids Close Aug. 7, 1919, 10 A. M.

**COURTHOUSE** Cost, \$—  
**WINNEMUCCA, Nevada.**

Concrete and brick courthouse.

Owner—Humboldt County, Nevada.

Architect—F. J. De Longchamps, Reno Nevada.

Figures are being taken on the following items:

1—Excavating and grading.

2—Concrete work.

3—Stone work (set in place).

4—Terra cotta and brick (set in place).

5—Plastering and furring.

6—Plumbing and heating.

7—Oil equipment.

8—Electric wiring.

9—Roofing.

10—Carpentry and mill work.

11—Marble and tile.

12—Painting and glazing.

13—Finish hardware.

14—Iron and sheet metal.

Plans on file at Architect's office.  
Deposit of \$10 required.

**Oil Burning Equipment, Kitchen Equipment, Pumps, Steam Boilers, Incinerator, Etc., Bids Wanted For Hospital.**

**WOODLAND, Yolo Co., Cal.**—Bids will be received by the County Supervisors, H. R. Saunders, County Clerk, Woodland, Cal., or at the rooms of the Building Committee, Supervisors Room, County Court House, Sacramento, Cal., up to August 1st, 2 P. M., for furnishing and installing crude oil burning equipment for the power plant, kitchen ranges and incinerator, including steam boiler, pumps, etc., for a Tuberculosis Hospital, situated on a site about one-quarter mile southwest of Welmar Station, in the County of Placer, in accordance with the plans and specifications prepared by R. A. Herold, Architect, and J. E. Stanton, Associate.

Plans and specifications may be seen at the office of the Architects, Room 430 Forum Bldg., Sacramento.

Plans Being Prepared.

**APARTMENTS** Cost, \$35,000  
**SAN FRANCISCO.** Post Street.

Five-story and basement brick apartments (2 and 3-room ap's).

Owner—Withheld.

Architect—Jas. A. Magee, 661 Phelan Bldg., San Francisco.

Contract Awarded.

**MORTUARY BLDGS.** Cost, \$7,000

**ANTIOCH, Contra Costa Co., Cal.**  
Third and "F" Streets.

One and one-half-story concrete mortuary buildings.

Owner—H. G. Preston, Antioch, Cal.

Architect—Not Given.

Contractor—M. D. Field, Antioch, Cal.

Plans Being Prepared.

**WAREHOUSE** Cost, \$125,000  
**SEATTLE, Wash.** Western Avenue & University Street.

Four-story mill construction warehouse, 120x120.

Owner—Stephen A. Hull, Representing the Owners.

Architect—John Graham, L. C. Smith Bldg., Seattle, Wash.

Plans Approved.

**CITY HALL.** Cost, \$—  
**TULARE, Tulare Co., Cal.**

Two-story Class "C" municipal auditorium and City Hall.

Owner—City of Tulare.

Architects—W. C. Perry and G. B. Sturgeon, Newhall Bldg., San Francisco.

Plans Being Figured.

**ADDITION** Cost, \$—  
**SAN FRANCISCO.** W Polk Street 65 N Washington Street.

Add one-story to reinforced concrete apartments.

Owner—G. H. Sanders.

Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.

Plans Being Figured.

**BUNGALOW** Cost, \$—  
**SAN FRANCISCO.** E Moscow Street 175 — Persia Avenue.

One-story 4-room frame bungalow.

Owner—A. Riveras.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

Plans Being Figured.

**GARAGE** Cost, \$—  
**LOS ANGELES.** SE 12th and Hope Streets.

Four-story reinforced concrete garage building, 100x155.

Owner—Ponet Co.

Lessee—Chevrolet Motor Car Co.

Architects—W. J. Dodd and Wm. Richards, 905 Brack-Shops Bldg., Los Angeles.

**BUNGALOWS** Cost, \$3500 each  
**REDWOOD CITY, San Mateo Co., Cal.**

Dingee Park.

Two frame bungalows (6 rooms and sleeping porch and garage each).

Owner—Mrs. S. E. Connell and Miss A. E. Cole.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

Plans Being Prepared.

**RESIDENCE** Cost, \$—  
**LOS ANGELES.** 24th St. and Western Avenue.

Two-story and basement brick and stone residence (12 rooms, 4 bathrooms, billiard hall.)

Owner—Mrs. C. E. Wiswall.

Architect—John C. Austin, 1125 Baker Detwiler Bldg., Los Angeles.

Plans Being Prepared.

**OFFICES** Cost, \$750,000  
**TACOMA, Washington.**

Twelve-story Class "A" office building 65x100.

Owner—W. R. Rust.

Architects—Sutton & Whitney, Lewis Bldg., Portland, Ore.

Plans Being Figured. Bids Close July 19, 1919.

**SCHOOL** Cost, \$—  
**HAINES, Ore.**

Two-story and basement brick school, 108x84.

Owner—School District No. 24.

Architects—Tourtellotte & Hummel, McKay Bldg., Portland, Ore.

Commissioned to Prepare Plans.

**LIBRARY** Cost, \$55,000  
**SAN FRANCISCO.** N Sacramento St.

bet. Baker and Lyon Sts., 117x225.

Two-story brick and concrete library (Presidio Branch).

Owner—S. F. Library Trustees Carnegie Fund.

Architect—G. A. Lansburgh, Gunst Bldg., 709 Mission St., San Francisco.

Plans Being Prepared.

**RESIDENCE** Cost, \$6,000  
**SAN FRANCISCO.** Merritt Terrace.

Two-story frame residence.

Owner—Mr. Hammer, Oakland Auto Sales Co., Oakland.

Designer—H. O. Aiden, 55 New Montgomery St., San Francisco.

Plans Being Figured.

**ALTERATIONS** Cost, \$—  
**NEVADA.** State Orphan's Home.

Alter and add to Orphan's Home.

Owner—State of Nevada.

Architect—F. J. De Longchamps, Gazette Bldg., Reno, Nevada.

Plans on file in Architect's office.

Plans Being Prepared.

#### APARTMENTS

ASTORIA, Oregon.

Six-story and basement fireproof apartments, 100x100.

Owner—Withheld.

Architect—F. Manson White, Chamber of Commerce Bldg., Portland.

Plans Being Prepared.

#### RESIDENCE

SAN FRANCISCO. Cost, \$6,000

Merritt Terrace.

Two-story frame residence.

Owner and Designer—H. O. Alden, 55 New Montgomery St., San Francisco.

Plans Being Prepared.

#### CHURCH

VALLEJO, Solano Co., Cal. Cost, \$60,000

One-story brick church.

Owner—Methodist Episcopal Church.

Architect—W. J. Wythe, Central Bank Bldg., Oakland.

Ready for figures in about three weeks.

Ready for Figures Shortly.

SCHOOL. Cost, \$40,000

YREKA, Siskiyou Co., Cal.

One-story and basement brick grammar school building (8 rooms and auditorium.)

Owner—Yreka Grammar School Dist.

Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Plans Nearing Completion.

#### APARTMENTS

ASTORIA, Oregon. Cost, \$—

Four-story brick (6) apartments, 100 x 200.

Owner—Hhos. Randles, Astoria, Ore.

Architect—F. Mason White, Chamber of Commerce Bldg., Portland.

Plans Being Prepared.

HOME BUILDING. Cost, \$40,000

SAN JOSE, Santa Clara Co., Cal. No.

70 North Fifth Street.

Home building containing a chapel with a seating capacity of 700; a class room to accommodate 300; a large reception hall; offices for the healers, and accommodations for the resident workers.

Owner—Home of Truth, San Jose, Cal.

Architect—William Binder, Binder Bldg., San Jose, Cal.

Plans Being Prepared.

#### HOSPITAL

PORTLAND, Ore. Cost, \$200,000 or more.

Reinforced concrete hospital.

Owner—County of Multnomah.

Architects—Sutton & Whitney, Lewis Bldg., Portland, Oregon.

Plans Approved. Bids to be Called

Shortly.

#### GYMNASIUM

NEWMAN, Stanislaus Co., Cal. Cost, \$10,000

Gymnasium Building for High School.

Owner—Newman High School District

Architect—Francis Reid, Concord, Contra Costa Co., Cal.

Preliminary Plans Being Prepared.

#### APARTMENTS

SAN FRANCISCO. Cost, \$—

Four-story Class "C" apartment house

(30 2-room apts).

Owner—Withheld.

Contractor—C. O. Clausen, Hearst Bldg., San Francisco.

Preliminary Figures Being Taken.

APARTMENTS. Cost, \$500,000

SAN FRANCISCO. Larkin and Fran-

cisco Streets.

Eleven-story Class "A" apartments.

Owner—Withheld.

Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.

Plans Being Revised. Plumbing Contract Awarded.

#### APARTMENTS

SAN FRANCISCO. Cost, \$—

S California St.

97-6 W Mason St.

Eight-story Class "A" apartment

house.

Owner—John W. Proctor and Selah

Chamberlain, a cptn.

Architects—Schwartz & Gross of New York and Willis Polk, Hobart Bldg., San Francisco.

Mr. Polk is revising the plans and will take figures shortly.

Alex Coleman, 706 Ellis St., has been awarded the contract for plumbing, drainage, gas fitting, etc., at \$21,125.

Plans Being Figured.

BUNGALOWS. Cost, \$3,000 each

RICHMOND, Contra Costa Co., Cal.

Spaulding Richmond - Pullman Townsite.

Twenty-five one-story 5-room frame bungalows.

Owner—Occidental Building & Investment Co. of Albany.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

Only five of the dwellings are being figured at this time. Bids are wanted for a general contract, except lumber and mill work, which will be furnished by the owner.

Ready For Figures August 1st.

#### ADDITION

SAN FRANCISCO. Cost, \$—

N Geary St. E of

Grant Avenue.

Six-story and basement Class "C" addition, 35x120 to department store

Owner—Livingston Bros., Geary and

Grant Ave., San Francisco.

Architect—Albert Lansburgh, 709 Mission Street, San Francisco.

Construction will start shortly after September 1st when the lease of the present two-story building expires.

**Correction. Work Omitted in Report of July 7, 1919.**

Plans Being Figured.

#### APARTMENTS

SAN FRANCISCO. Cost, \$70,000

Octavia and Broadway.

Four-story Class "C" apartment house

Owner—Withheld.

Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.

Plans Being Prepared.

#### RESIDENCE

LOS ANGELES. Cost, \$20,000

Windsor Square.

Two-story and basement brick veneer and frame residence and garage (13 rooms and 3 bathrooms).

Owner and Architect—S. M. Cooper, Story Bldg., Los Angeles.

Plans Being Figured.

#### THEATRE, ETC.

PITTSBURG, Contra Costa Co., Cal. Cost, \$40,000

Two-story brick theatre and store building (4 stores).

Owner—E. Enea & Bros., Pittsburg.

Architect—A. W. Cornelius, Merchants National Bk. Bldg., San Francisco.

Ready for Figures Monday.

#### SCHOOL

EASTON, San Mateo Co., Cal. Cost, \$18,000

One-story frame school (4 rooms).

Architect—E. L. Norberg, 420 Bankers' Investment Bldg., San Francisco.

Contract Awarded.

#### GARAGE

SAN FRANCISCO. Cost, \$15,000

Fifth and Harrison

Streets.

Two-story reinforced concrete and

brick garage building.

Owner—Geo. Caesar.

Lesee—C. K. S. MacDonald Tractor

Company.

Architect—J. F. Dunn, Phelan Bldg.,

San Francisco.

Contractor—F. L. Hanson, 2000 Polk

St., San Francisco.

#### GOVERNMENT SCHOOL BIDS REJECTED.

All bids received May 27 by the Commissioner of Indian Affairs, Washington, D. C., for constructing school house No. 81 at the Fort Bidwell Indian School, Calif., have been rejected.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

No.	Owner	Contractor	Amt.
1295	Fisher	Fisher	5000
1296	Janssen	Janssen	3000
1297	Com, Center	Moller	2000
1298	Owby	Owby	1200
1299	Stark	Rednall	970
1300	Goldsmith	Ellingson	900
1301	Menser	Healing	850
1302	Gunn	Ellingson	800
1303	Brogden	Grey	500
1304	Tassio	Salvi	400
1305	Helbush	Kragen	1400
1306	Bass	Foundation	18000
1307	Nelson	Nelson	3500
1308	Nelson	Nelson	3000
1309	Women's Club	Lindgren	3000
1310	Brownlee	Marcussen	3000
1311	Balaine	Grahn	3000
1312	Titus	Titus	2500
1313	McDonough	Costello	2000
1314	Cahn	Cahn	1900
1315	Levy	Otten	1845
1316	Magnin	Emanuel	900
1317	Conniff	Caine	900
1318	Gates	Denke	875
1319	Kuster	Ahl	500
1320	Meita	Meita	500
1321	Wilson	Wilson	400
1322	Otis	Cole	400
1323	Chatterly	Owner	400
1324	Cahen	Barman	2400
1325	Rosenberg	Carlin	2170
1326	Same	American Elec	
1327	Goldstein	Mission	41489
1328	Morris	Morris	7500
1329	McCain	Hansen	6950
1330	Lutheran Ch	Grace	12300
1331	Roesler	Hamerton	10000
1332	Rohlfis	Munster	4000
1333	Schwitzer	Robinson	1950
1334	Blackman	Owner	1000
1335	Gordon	Gordon	500
1336	Simon	Robinson	475
1337	Proctor	Coleman	21125
1338	O'Day	Anderson	3525
1339	Same	Mission Con	7200
1340	Larsan	Larsan	7700
1341	White Lunch	Owner	1500
1342	Adams	Kelly	1200
1343	Starr	Kelly	1000
1344	Crist	Novelly	500
1345	Harris	Deibel	400
1346	Metz	Metz	400
1347	Clancy	Schmid	1686
1348	Same	Same	698
1349	Bannan	Mager	1500
1350	Polhemus	Reilly	7950
1351	Same	Hogberg	1785
1352	Same	Neal	1045
1353	Kummer	Zinkand	3000
1354	Stoff	Zimmerman	2100
1355	Gartland	Owner	4000
1356	Nelson	Nelson	3500
1357	Dryden	Dryden	1850
1358	Buetler	Buetler	1000
1359	Sarange	Christian	1000
1360	Smith	Cornick	650
1361	McElroy	McElroy	500
1362	Gales	Denke	475
1363	Hillard	Forbes	3450
1364	Christen	Wilhelm	5157
1365	Albers	Hoyt	3000
1366	Brunton	Cameron	2500
1367	Crocker	Samuelson	2000
1368	Central Pac Land	Holt	1900
1369	Crocker	Samuelson	1800

1370	Baum	Coburn	940
1371	Buzzolano	Owner	850
1372	Gump	Barrett	10868
1373	Mullan	McSheehy	1250

#### ALTERATIONS

(1295) SW SACRAMENTO AND Montgomery. Alter offices and install elevator.  
Owner—M. Fisher, 687 Mission, S. F.  
Architect—None.  
Day's work. COST, \$5000

#### RESIDENCE

(1296) E EIGHTEENTH AVE 150 S Cabrillo. One-story frame residence.  
Owner—E. A. Janssen, 1001 Hearst Bldg., San Francisco.  
Architect—None.  
Day's work. COST, \$3000

#### ALTERATIONS

(1297) NW BROADWAY & GRANT Ave. Alter store.  
Owner—Commercial Center Realty Co., 916 Kearny, S. F.  
Architect—None.  
Contractor—R. W. Moller, 614 Call Bldg., San Francisco.  
COST, \$2000

#### FRAME RESIDENCE

(1298) E EDINBURG NO. 263. One-story frame residence.  
Owner—Thos. P. Ownby, 1138 Fell St., San Francisco.  
Architect—None.  
Day's work. COST, \$1200

#### FRAME RESIDENCE

(1299) NE FILBERT AND DIVISADERO. One-story frame residence.  
Owner—D. B. W. Stark, 2598 Filbert, San Francisco.  
Architect—None.  
Contractor—W. W. Rednall, 2500 Filbert, San Francisco.  
COST, \$970

#### ALTERATIONS

(1300) SE FILLMORE & O'FARRELL Alter cigar store.  
Owner—J. S. Goldsmith.  
Architect—Earle B. Bertz, 68 Post, San Francisco.  
Contractor—E. Ellingson, 110 Jessie, San Francisco.  
COST, \$900

#### ALTERATIONS

(1301) NO. 369 FREDERICK. Alter dwelling.  
Owner—Albert Menser.  
Architect—None.  
Contractor—Geo. Healing, 110 Jessie, San Francisco.  
COST, \$850

#### ALTERATIONS

(1302) NO. 2828 DIVISADERO. Alter garage.  
Owner—W. J. Gunn, Premises.  
Architect—Albert Farr, 68 Post, S. F.  
Contractor—E. Ellingson, 110 Jessie, San Francisco.  
COST, \$800

#### ALTERATIONS

(1303) S BROADWAY 68-9 E Polk. Alter warehouse.  
Owner—Brogden & Grey, 240 Montgomery, San Francisco.

Architect O'Brien Bros., 240 Montgomery, San Francisco.  
Day's work. COST, \$500

#### ALTERATIONS

(1304) NO. 5 NEWELL. Alter residence.  
Owner—C. Tassio, Premises.  
Architect—None.  
Contractor—P. Salvi, 1945 Stockton, San Francisco.  
COST, \$490

#### ALTERATIONS

(1305) NO. 826 MARKET. Alterations and additions to building.  
Owner—Herman H. Helbush, 75 Sutter, San Francisco.  
Architect—None.  
Contractor—Louis Kragen, 743 Gough, San Francisco.  
Filed July 7, '19. Dated June 12, '19.  
Completed and accepted. \$1400  
TOTAL COST, \$1400

Bond, limit, forfeit, plans and specifications, none.

#### ADDITION

(1306) BLK BDED BY RHODE ISLAND, Kansas, 23rd and 24th Sts. Addition to varnish plant.  
Owner—Bass-Hueter Paint Co., 816 Mission, San Francisco.  
Architect—None.  
Contractor—The Foundation Co., 58 Sutter, San Francisco.  
COST, \$18,000

#### FRAME DWELLING

(1307) NW MADRONE AVE 20 NE Vincente. Two-story frame dwlg.  
Owner—Fernando Nelson & Sons, 2701 Lincoln Way, San Francisco.  
Architect—None.  
Day's work. COST, \$3500

#### FRAME DWELLING

(1308) NW WAWONA 75 SW Vincente. One-story frame dwelling.  
Owner—Fernando Nelson & Sons, 2701 Lincoln Way, San Francisco.  
Architect—None.  
Day's work. COST, \$3000

#### ALTERATIONS

(1309) N SUTTER — W Mason. Alter kitchen.  
Owner—Women's Athletic Club, 640 Sutter, San Francisco.  
Engineer—Ronneberg, 305 Crocker Bldg., San Francisco.  
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.  
COST, \$3000

#### RETAINING WALL

(1310) S CALIFORNIA 137-6 E Taylor. Reinforced concrete retaining wall.  
Owner—Anna L. Brownlee.  
Engineer—T. Ronneberg, 305 Crocker Bldg., San Francisco.  
Contractor—M. Marcussen, Royal Insurance Co., S. F.  
COST, \$3000

#### FRAME DWELLING

(1311) W TENTH AVE 225 S Judah. One-story frame dwelling.  
Owner—A. Balaine, 69 Groveland, San Francisco.  
Architect—None.

Contractor—Wm. H. Grahm, 2840 Bryant, San Francisco.

COST, \$3000

#### FRAME RESIDENCE

(1312) S OCEAN AVE 60-11 W Cayuga. One and one-half-story frame residence.

Owner—Watson A. Titus, 117 Ocean Ave., San Francisco.

Architect—None.

Day's work. COST, \$2500

#### FRAME RESIDENCE

(1313) W HOMESTEAD 35 N 25th. Two-story frame residence.

Owner—McDonough & Costello, 90 St. Mary's Ave. and 93 College Ave., San Francisco.

Architect—None.

Day's work. COST, \$2000

#### ALTERATIONS

(1314) NO. 2512 SAN BRUNO AVE. Alter residence.

Owner—A. Cahen, Premises.

Architect—None.

Day's work. COST, \$1900

#### ALTERATIONS

(1315) NO. 551 TWENTY-FIFTH AV Alter flats.

Owner—A. Levy, Premises.

Architect—None.

Contractor—H. P. Otten, 555 25th Ave San Francisco. COST, \$1845

#### ALTERATIONS

(1316) E GRANT AVE 100 S Geary. Alter store.

Owner—Magnin & Co., 90 Grant Ave., San Francisco.

Architect—None.

Contractor—L. & E. Emanuel, Inc., 1530 Filbert, San Francisco. COST, \$900

#### GARAGES

(1317) NOS. 1429-31-33 LEAVENWORTH (rear). Three one-story frame garages.

Owner—Miss Mary Conniff, 1429 Leavenworth, San Francisco.

Architect—None.

Contractor—T. W. Caine, 1910 Clement, San Francisco. COST, \$900

#### ALTERATIONS

(1318) NO. 2430 LAKE. Alter apartments.

Owner—Mrs. D. E. Gates, Premises.

Architect—None.

Contractor—E. H. Denke, 1317 Hyde, San Francisco. COST, \$875

#### ALTERATIONS

(1319) NO. 249 O'FARRELL. Alter store.

Owner—C. M. Kuster, Premises.

Architect—None.

Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco. COST, \$500

#### ALTERATIONS

(1320) NO. 517½ SUNNYSIDE AVE. Alter milk store.

Owner—Frank Meita, Premises.

Architect—None.

Day's work. COST, \$500

#### ALTERATIONS

(1321) NO. 332 STOCKTON. Alter small theatre.

Owner—F. A. Wilson, — Mason, S. F. Architect—None.

Day's work. COST, \$400

#### ALTERATIONS

(1322) S TURK 150 W Larkin. Alter hotel.

Owner—James Otis Trustee, Hotel Carlton, 545 Turk, S. F.

Architect—Geo. Rushforth, 354 Pine, San Francisco.

Contractor—P. J. Cole, 110 Jessie, San Francisco. COST, \$400

#### ALTERATIONS

(1323) NO. 1425 FORTY-THIRD AV Alter residence.

Owner—Archle C. Chatterby, Prem. Architect—None.

Day's work. COST, \$400

#### PAINTING, ETC.

(1324) NE SUTTER AND MASON. Painting and papering five-story brick apartments and stores.

Owner—Joseph Cahen and J. Coney. Architect—Joseph Cahen, 333 Kearny, San Francisco.

Contractor—Harry Barman, 79 Sharon St., San Francisco.

Dated June 2, 1919. COST, \$2400

(1325) NW GEARY AND TAYLOR. Grading for 6-story reinforced concrete apartment house.

Owner—I. Rosenberg, 333 Kearny St., San Francisco.

Architect—Joseph Cahen, 333 Kearny St., San Francisco.

Contractor—Carlin Bros. COST, \$2170

(1326) ELECTRICAL WORK ON above.

Contractor—American Elec. Eng. Co., 1723 Polk St., San Francisco. COST, \$—

#### GARAGE

(1327) NW FULTON AND LAGUNA 110x120. All work for two-story reinforced concrete garage building.

Owner—The E. L. Goldstein Co., 333 Kearny, San Francisco.

Architect—Jos. L. Stewart, Claus Spreckels Bldg., San Francisco.

Contractor—The Mission Concrete Co., 331 Guerrero, San Francisco.

Filed July 8, '19. Dated June 28, '19. Excavation finished and concrete poured to 2nd floor.....\$10,372.25

Concrete roof poured.....10,372.25

Completed and accepted.....10,372.25

Usual 35 days.....10,372.25

TOTAL COST, \$41,489.00

Bond, none. Limit, 150 days. Forfeit, \$20. Plans and specifications filed.

(1328) LOT 13 BLK 3176 Westwood Park. All work for one-story and basement frame dwelling.

Owner—Linnie Morris, 132 Judson Ave., San Francisco.

Architect—A. W. Smith, 1010 Broadway, Oakland.

Contractor—Gordon W. Morris, 132 Judson Ave., San Francisco.

Filed July 8, '19. Dated June 5, '19. Enclosed and roof on.....\$1875

Brown coated.....1875

Completed and accepted.....1875

Usual 35 days.....1875

TOTAL COST, \$7500

Bond, \$3750. Sureties, Geo. J. Morton and David C. Brown. Limit, 90 days. Forfeit, none. Plans and specifications filed.

#### FRAME BUNGALOW

(1329) LOT 5 and S 10 feet Lot 4 Blk 3107 Westwood Park. All work for one-story frame bungalow.

Owner—I. McCain, 318 Kearny, San Francisco.

Architect—I. McCain, 318 Kearny, San Francisco.

Contractor—H. J. Hansan, 1327 20th Ave., San Francisco.

Filed July 8, '19. Dated July 2, '19. Enclosed and roof on.....\$1737.50

Brown coated.....1737.50

Completed and accepted.....1737.50

Usual 35 days.....1737.50

TOTAL COST, \$6950.00

Bond, \$3475. Sureties, E. V. Lacey & E. Ellington. Limit, 75 days. Forfeit, none. Plans and specifications filed.

#### FRAME CHURCH

(1330) NE FIFTH AVE & IRVING. One-story frame church and study building.

Owner—Christ Church Lutheran, Inc., Care Architect.

Architect—Ward & Blohme, Alaska Commercial Bldg., S. F.

Contractor—Grace & Bernieri, Claus Spreckels Bldg., S. F. COST, \$12,300

#### FRAME DWELLINGS

(1331) S EL PORTAL WAY 224½ & 254½ E Claremont. Two two-story frame dwellings.

Owner—H. A. Roesler, Mills Bldg., San Francisco.

Architect—None.

Contractor—Wm. C. Hamerton & Son, 1301 Waller, San Francisco. COST, \$5000 each

#### ALTERATIONS

(1332) SW FILLMORE & GOLDEN Gate Ave. Alter market and candy store.

Owner—W. W. Rohlfis, 2896 California, San Francisco.

Architect—None.

Contractor—Munster & Bornholdt, 1530 Broderick, San Francisco. COST, \$4000

#### ALTERATIONS

(1333) NO. 1212 MARKET. Alter for garage and sales room.

Owner—B. Schweitzer Estate, 150 Mills Bldg., San Francisco.

Architect—None.

Contractor—Robinson & Gillespie, 1051 Sutter, San Francisco. COST, \$1950

#### ALTERATIONS

(1334) SW JACKSON & SANSOME. Alter stores.

Owner—T. Z. Blackman. Architect—Bliss & Faville, Balboa Bldg., San Francisco.

Day's work. COST, \$1000

#### ALTERATIONS

(1335) NO. 343 MARKET. Alter tailor shop.

Owner—Gordon Tailoring Co., 928 Market, San Francisco.

Architect—N. R. Coulter, 46 Kearny, San Francisco.

Day's work. COST, \$500

#### ALTERATIONS

(1336) NO. 1918 FRANKLIN. Alter garage.

Owner—Mrs. Simon, Premises. Architect—Herman Barth, Phelan Bldg., San Francisco.

Contractor Robinson & Gillespie,  
1051 Sutter, San Francisco.

COST, \$475

# PLUMBING, ETC.

(1337) S CALIFORNIA 97-6 W Mason  
Plumbing, drainage, gas fitting, hose  
reels, stand pipe, etc., for eight-  
story Class "A" apartments.  
Owner—John W. Proctor and Selah  
Chamberlain, a Cptn.

Architects—Schwartz & Gross, New  
York & Willis Polk, Hobart Bldg.,  
San Francisco.

Contractor—Alex Coleman, 706 Ellis,  
San Francisco.

Filed ———. Dated July 8, 1919.  
On 1st of each month..... 75%  
Usual 35 days..... 25%  
TOTAL COST, \$21,125

# MILL WORK, ETC.

(1338) E BELCHER 100 N 14th N  
100x6 125. Carpentry and mill work  
for one-story Class "C" garage.

Owner—Thos. O'Day.  
Architect—Matthew O'Brien, Fox-  
croft Bldg., San Francisco.

Contractor—Anderson & Ringrose,  
320 Market, San Francisco.

Filed July 9, '19. Dated July 7, '19.  
On 1st and 15th of each month 75%  
Usual 35 days..... 25%

TOTAL COST, \$352b  
Bond, \$—, Sureties, Mary E. Ring-  
rose and Catherine Fennessy. Limit,  
70 days. Forfeit, \$20. Plans and  
specifications filed.

(1339) CONCRETE WORK ON ABOVE  
Contractor—Mission Concrete Co., 331  
Guerrero, San Francisco.

Filed July 9, '19. Dated July 1, '19.  
Payments same as above.....

TOTAL COST, \$7200  
Bond, \$3600. Surety, Fidelity & De-  
posit Co. of Maryland. Limit, 35 days.  
Forfeit, \$20. Plans and specifications  
filed.

# BUNGALOWS

(1340) W FORTY-SIXTH AVE 250  
and 275 N Fulton. Two five-room  
bungalows.

Owner—A. R. Larsan, 246 Delano  
Ave., San Francisco.

Architect—None.

Day's work. COST, \$3850 each

# ALTERATIONS

(1341) NO. 553-555 SANSOME. Alter  
restaurant.

Owner—White Lunch Co., Premises.  
Architect—None.

Day's work. COST, \$1500

# ALTERATIONS

(1342) NO. 33 HILL. Alter dwell-  
ing.

Owner—Mrs. Adams, 3924 19th, S. F.  
Architect—None.

Contractor—R. E. Kelly, 168 Hancock  
San Francisco.

COST, \$1200

# ALTERATIONS

(1343) NO. 928 MARKET. Alter  
store.

Owner—Starr Shoe Co., Premises.  
Architect—None.

Contractor—Kelly & Co., Premises.  
COST, \$1000

# ALTERATIONS

(1344) NO. 982 MARKET. Altera-  
tions.

Owner—Judge F. W. Crist, Premises.

Architect—E. F. Kreigsmann, 1016  
Eddy, San Francisco.

Contractor—Novelty Elec. Sign Co.,  
165 Eddy, San Francisco.

COST, \$500

# ALTERATIONS

(1345) NO. 2023 FOLSOM. Alter  
rooming house.

Owner—A. Harris & Co., 348 Wash-  
ington, San Francisco.

Architect—None.

Contractor—L. J. Deibel, 2453 Bu-  
chanan, San Francisco.

COST, \$400

# ALTERATIONS

(1346) W DIAMOND 30 N 26th.  
Alterations.

Owner—Reinhardt Metz, 1190 Dia-  
mond, San Francisco.

Architect—None.

Day's work. COST, \$400

# HEATING SYSTEM

(1347) SE VAN NESS AVE & UNION  
All work for low pressure steam  
heating system for three-story and  
basement frame apartments.

Owner—D. J. Clancy, 2834 Folsom St.,  
San Francisco.

Architect—None.

Contractor—Gilley Schmid Co., Inc.,  
198 Otis, San Francisco.

Filed July 10, '19. Dated June 25, '19.  
Piping roughed in.....\$500

Completed..... 765

Usual 35 days..... 421

TOTAL COST, \$1686

Bond, limit, forfeit, plans and spec-  
ifications, none.

# STEAM SYSTEM

(1348) W JONES — N Sutter. All  
work for low pressure steam system  
for four-story apartment building.

Owner—D. J. Clancy, 2834 Folsom St.,  
San Francisco.

Architect—None.

Contractor—Gilley Schmid Co., Inc.,  
198 Otis, San Francisco.

Filed July 10, '19. Dated June 25, '19.  
Piping roughed in.....\$250

Completed..... 274

Usual 35 days..... 174

TOTAL COST, \$698

Bond, limit, forfeit, plans and spec-  
ifications, none.

# GARAGES

(1349) SW TWENTY-FIRST AND  
Treat Ave. All work for making 4  
garages in building.

Owner—Catherin Bannan, 2953 21st,  
San Francisco.

Architect—None.

Contractor—Mager Bros., 110 Jessie,  
San Francisco.

Filed July 10, '19. Dated July 9, '19.  
Underpinning done.....\$1000

Completed..... 125

Usual 35 days..... 375

TOTAL COST, \$1500

Bond, limit, forfeit, none. Plans and  
specifications filed.

# ALTERATIONS

(1350) SW JACKSON AND WALNUT  
No. 101 Walnut. Carpenter work  
for alterations and additions to  
frame residence.

Owner—J. H. Polhemus, 149 Califor-  
nia, San Francisco.

Architect—Smith O'Brien, 742 Market,  
San Francisco.

Contractor—P. F. Reilly, 2857 Howard

San Francisco.

Filed July 10, '19. Dated July 9, '19.  
On 1st of each month..... 75%

Usual 35 days..... 25%

ACTUAL COST plus 10%; Total not to  
exceed \$7950.

Bond, \$4,000. Sureties, J. W. Smith  
and P. R. Wood. Limit, 90 days. For-  
feit, \$20. Plans and specifications  
filed.

(1351) EXCAVATION, CONCRETE,  
brick, patent hue, fireplace, marble  
work, etc., on above.

Contractor—Emil Hogberg, 249 Edge-  
wood Ave. San Francisco.

Filed July 10 '19. Dated July 9 '19.  
Contract ½ completed.....\$900

Completed and accepted..... 438

Usual 35 days..... 477

TOTAL COST, \$1785  
Bond, \$893. Sureties, Arthur B. Sibley  
and G. H. Forbes. Limit, 60 days.  
Forfeit, \$10. Plans and specifications  
filed.

(1352) PAINTING, PAPERING, ETC.,  
on above.

Contractor—L. J. Neal, 455 Hayes St.,  
San Francisco.

Filed July 10, '19. Dated July 9, '19.  
Completed and accepted.....\$1045

TOTAL COST, \$1045

Bond, none. Limit, 90 days. Forfeit,  
\$10. Plans and specifications filed.

# FRAME BUILDING, ETC.

(1353) W ALABAMA 200 N 26th; No.  
1342 Alabama. All work for tearing  
down present building, but leave  
store and erect one-story frame  
building.

Owner—Frank E. and Emma Kummer  
1342 Alabama, San Francisco.

Architect—None.

Contractor—Ed. Zinkand & Son, 434  
10th Ave., San Francisco.

Filed July 10, '19. Dated July 9, '19.  
Roof on.....\$750

Brown coated..... 750

Completed and accepted..... 750

Usual 35 days..... 750

TOTAL COST, \$3000

Bond, \$1500. Sureties, Karl J. Gunther  
and Lawrence Buckley. Limit, 45 days

Forfeit, none. Plans and specifi-  
cations filed.

# PAINTING, ETC.

(1354) S POST 192-6 W Leavenworth  
W 55xS 137-6. Painting, papering,  
etc., for four-story and basement

Class "C" brick apartment house.

Owner—Louis D. Stoff, 830 Sutter St.,  
San Francisco.

Architect—Albert Schroepfer, Nevada  
Bank Bldg., San Francisco.

Contractor—S. Zimmerman, 143 Mars-  
Ave., San Francisco.

Filed July 10, '19. Dated June 16, '19.  
1st coat on.....\$500

3rd coat on..... 500

Completed and accepted..... 575

Usual 35 days..... 525

TOTAL COST, \$2100

Bond, \$1050. Sureties, Oscar and Alvin  
Heyman. Limit, 75 days. Forfeit,  
none. Plans and specifications filed.

# ALTERATIONS

(1355) NOS. 463-65-67 GUERRERO.  
Alter 3 flats into (6) apartments.

Owner—P. J. Gartland, 467 Guerrero,  
San Francisco.

Architect—None.

Day's work. COST, \$4000

FRAME RESIDENCE  
(1356) NE FOURTEENTH AVE AND  
Wawona. Two-story frame resi-  
dence.  
Owner—Fernando Nelson & Sons,  
2701 Lincoln Way, S. F.  
Architect—None.  
Day's work. COST, \$3500

ALTERATIONS  
(1357) NO. 831 OAK. Alter residence  
Owner—Geo. Dryden.  
Architect—Bliss & Faville, Balboa  
Bldg., San Francisco.  
COST, \$1850

ALTERATIONS  
(1358) NO. 780 HAIGHT. Alter  
residence.  
Owner—John F. Buetler, Premises.  
Architect—None.  
Day's work. COST, \$1000

ALTERATIONS  
(1359) S LAUSSAT 117½ W Buchan-  
an. Alter private garage.  
Owner—E. W. Strange, 222 Waller,  
San Francisco.  
Architect—None.  
Contractor—Thos. C. Christian.  
COST, \$1000

ALTERATIONS  
(1360) NO. 128 LEADLY. Alter  
dwelling.  
Owner—C. S. Smith, Premises.  
Architect—None.  
Contractor—Thos. M. Cormick, 25  
Glady's, San Francisco.  
COST, \$650

GARAGE  
(1361) E MOSS — S Howard. One-  
story frame private garage.  
Owner—R. W. McElroy, 606 Phelan  
Bldg., San Francisco.  
Architect—None.  
Day's work. COST, \$500

GARAGE  
(1362) N LAKE 82-6 W 25th Ave.  
One-story frame garage.  
Owner—Mrs. D. E. Gales, Premises.  
Architect—None.  
Contractor—E. H. Denke, 1318 Hyde,  
San Francisco.  
COST, \$475

EXCAVATION, ETC.  
(1363) NW LAUREL & WASHING-  
TON 82-6XN 100. Excavation, foot-  
ings and retaining wall for Class  
"A" building.  
Owner—C. J. Hillard, 19th and Min-  
nesota, San Francisco.  
Architect—Alfred Henry Jacobs, 110  
Sutter, San Francisco.  
Contractor—R. J. H. Forbes, 681 Mar-  
ket, San Francisco.  
Filed June 11, '19. Dated June 11, '19.  
Completed and accepted. \$2550  
Usual 35 days. 850

TOTAL COST, \$3400  
Bond, \$3400. Surety, New Amsterdam  
Casualty Co. Limit, July 14, 1919.  
Forfeit, none. Plans and specifica-  
tions filed.

GARAGE  
(1364) E VALENCIA 101-0½ S 25th  
S 23-5½xE 117-6. All work for  
one-story Class "C" private garage  
Owner—J. A. Christen & Sons, 1427  
Valencia, San Francisco.  
Architect—Martin A. Sheldon, 110  
Sutter, San Francisco.

Contractor—A. H. Wilhelm, 180 Jessie  
San Francisco.  
Filed July 11, '19. Dated July 10, '19.  
Brick walls ready for trusses  
and concrete girders. \$1933  
Completed and accepted. 1934  
Usual 35 days. 1290

TOTAL COST, \$5157  
Bond, \$2579. Sureties, Arthur B. Sib-  
ley and S. M. Zimmerman. Limit, 35  
days. Forfeit, \$10. Plans and speci-  
fications filed.

ALTERATIONS  
(1365) N BAY 100 E Taylor. Alter  
warehouse.  
Owner—Albers Bros. Milling Co.,  
Premises.  
Architect—None.  
Contractor—H. P. Hoyt Co., 822 Mo-  
nadnock Bldg., S. F.  
COST, \$3000

EXCHANGE BLDG.  
(1366) NINETEENTH & VALENCIA  
One-story frame battery exchange.  
Owner—Julius Brunton & Son, Golden  
Gate near Van Ness, S. F.  
Architect—L. M. Gardner, 180 Jessie,  
San Francisco.  
Contractor—Cameron & Disston,  
Hearst Bldg., San Francisco.  
COST, \$2500

ALTERATIONS  
(1367) NE SEVILLE AND NAPLES.  
Alter residence.  
Owner—Crocker Estate Co., Crocker  
Bldg., San Francisco.  
Architect—None.  
Contractor—A. M. Samuelson, 3732  
21st, San Francisco.  
COST, \$2000

ALTERATIONS  
(1368) NW BUSH AND JONES.  
Alter store.  
Owner—Central Pacific Land & Lumber  
Co., Monadnock Bldg., S. F.  
Architect—Rousseau & Rousseau, 110  
Sutter, San Francisco.  
Contractor—O. C. Holt, 110 Jessie,  
San Francisco.  
COST, \$1900

ALTERATIONS  
(1369) E NAPLES 25 N Seville.  
Alter residence.  
Owner—Crocker Estate Co., Crocker  
Bldg., San Francisco.  
Architect—None.  
Contractor—A. M. Samuelson, 3732  
21st, San Francisco.  
COST, \$1800

ALTERATIONS  
(1370) NO. 18 SIXTH AVE. Alter  
and erect garage.  
owner—Ben Baum, Premises.  
Architect—Alfred H. Jacobs, 110 Sut-  
ter, San Francisco.  
Contractor—Ira W. Coburn, 180 Jes-  
sie, San Francisco.  
COST, \$940

ALTERATIONS  
(1371) SE TAYLOR AND WATER.  
Alter dwelling.  
Owner—Angela Buzzolaro et al, 401  
Columbus Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$850

ALTERATIONS  
(1372) NOS. 246-268 POST. All work  
for alterations & additions to stores.  
Owner—S. & G. Gump Co., Premises.

Architect—Sam L. Hyman, Crocker  
Bldg., San Francisco.  
Contractor—Barrett & Hilp, Sharon  
Bldg., San Francisco.  
Filed July 12, '19. Dated July 11, '19.  
Rough work on North and East  
mezzanine done. \$2717  
Rough work on West and South  
mezzanine done. 2717  
Completed and accepted. 2717  
Usual 35 days. 2717

TOTAL COST, \$10,868  
Bond, none. Limit, 42 days after July  
14. Forfeit, \$50. Plans and specifica-  
tions filed.

REPAIRS  
(1373) N TWENTY-FOURTH 110 E  
Castro N114xE 75. All work for re-  
pairs to building damaged by fire.  
Owner—Jos. and Ann Nora Mullan,  
4178 25th, San Francisco.  
Architect—None.

Contractor—Jas. B. McSheehy, 242  
Upper Terrace, San Francisco.  
Filed July 12, '19. Dated July 11, '19.  
Gravel roof on. 400  
Building plastered. 400  
Completed and accepted. 450  
TOTAL COST, \$1250  
Bond, none. Limit, 60 days. Forfeit,  
none. Plans and specifications filed.

## COMPLETION NOTICES.

### San Francisco County.

RECORDED	ACCEPTED
July 7, 1919—E VALENCIA 100 S	
14th S 100 E 135 N 50 E 80 N 50 W	
215, San Francisco Casket Co to	
White & Gloor. Feb. 24, 1919	
July 7, 1919—W HOMESTEAD 85 N	
25th N 25xW 125 W Homestead 80	
N 25th N 25xW 75. Michael Mc-	
Donough and Lawrence Costello	
to whom it may concern. July 7, 1919	
July 8, 1919—S VALLEY 180 E Noe	
The Greater City Lumber Co to	
H J Ohlson. July 2, 1919	
July 9, 1919—LOTS 12, 13 AND 14	
Blk 8, St. Francis Wood Extn No.	
1. Mrs S E Heckscher to John	
Morton. July 9, 1919	
July 9, 1919—LOTS 13 AND 14 BLK	
8, St. Francis Wood Extn No. 1.	
Mrs. S E Heckscher to John Mor-	
ton. June 17, 1919	
July 10, 1919—SE STEVENSON 225	
NE Ninth NE 50 SE 96-6 SW 56	
NW 21-6 NE 6 NW 75. Margt Bell	
to whom it may concern. July 10, '19	
July 10, 1919—E ARGUELLO BLVD	
50-32 S Turk S 25.16xE 100. Thos	
F Bell to whom it may concern	
July 11, 1919—NW EIGHTEENTH	
Ave and Anza W 82-6XN 25. Paul	
E Chapman to John Johnson. July 10, 1919	
July 11, 1919—SW NINETEENTH &	
Illinois W 200xS 200. M and Max	
Levin to M Levin & Sons. July 10, 1919	

## NOTICE OF NON-RESPONSIBILITY.

### San Francisco County.

July 10, 1919—SW NINETEENTH &  
Valencia S 50xW 100. Anthony F  
and Rose C Wohlfarth as to im-  
provements on leased property....

## BUILDING CONTRACTS

## Alameda County.

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1380	Vaughn	Vaughn	21992
1381	Cormack	Cormack	2800
1382	Brooklyn Ch.	Owner	500
1383	Hing	Nick	400
1384	Imperial	Owner	400
1385	Friend	Owner	3400
1386	Kirk	Swenson	1900
1387	Werner	Werner	1500
1388	Kuitala	Kuitala	1000
1389	Steiner	Fisher	400
1390	Wynanson	Gossett	750
1391	Hotaling	Lee	400
1392	Praugh	Baker	1770
1393	Pfrang	Pfrang	5000
1394	Schultz	Jespersion	3000
1395	Nelson	Nelson	2250
1396	Pickelman	Allen	750
1397	Rands	Russell	500
1398	Andrade	Andrade	400
1399	McDougall	David	2877
1400	Abendfeld	Brennen	2400
1401	Haslett	Scammon	2000
1402	20th Century	Engler	500
1403	Best	Bowers	400
1404	Clark	Craegmille	400
1405	Weber	Sorenson	15713
1406	Smith	Weider	31500
1407	Isaacson	Wieben	4500
1408	Pfrang	Pfrang	3500
1409	Faulkner	Baccus	1000
1410	O'Neill	Cal. Bldrs	1500
1411	Calder	Champney	476
1412	Thomas	Thomas	3400
1413	Heathcote	Allen	700
1414	Freeman	Cederborg	10038
1415	Nat'l Lead	Hoyt	7200
1416	Short	Short	2500
1417	Bauman	Owner	2000
1418	Pfiraugh	Standard	675
1419	Not Given	Schely	500
1420	Covert	Owner	500
1421	Thwett	Pedgrift	500
1422	Plunkett	Owner	500
1423	Seoble	Seoble	400
1424	Foelker	Owner	400
1425	Bowman	Kulchar	400
1426	Robinson	Kern	4300
1427	Brazier	Owner	2450
1428	Obetland	Owner	400
1429	Halley	Fish	7500
1430	Hackett	Randlett	400
1431	Hurst	Koff	4250
1432	Miller	Miller	2500
1433	Thomsen	Healy	2000
1434	Crystal Lndry	Fortin	2000
1435	Merithew	Merithew	1500
1436	Anderson	Malmstrom	1485
1437	Stevens	Irish	900
1438	Lichtenstein	Duncan	500
1439	City of Bkly.	Sorensen	2250
1440	Grats	Neppach	400
1441	Vallero	Owner	4500
1442	Christensen	Owner	2850
1443	City of Okd.	Faulkes	2400
1444	Same	Same	2400
1445	Cornell	Westlund	2000
1446	Theodoropoulos	Hudson	1100
1447	Carter	Carter	550
1448	Anderson	Anderson	450
1449	Johnson	Ramos	400
1450	Martinelli	MacLeod	400
1451	Benard	Pedgrift	400
1452	Holden	Marshall	800
1453	Block	Block	4750
1454	Baker	Baker	2800
1455	Durgen	Kidder	470
1456	Meads	Nelson	10969

## FLATS

(1380) S FORTIETH 285 and 325 W Telegraph Ave., Oakland. Two (two-story 14-room flat buildings. Owner—M. C. Vaughn, 5833 Ayala, Oakland.

Architect—None.

Day's work. COST, \$10,496 each

## DWELLING

(1381) SW FORTY-SECOND AND Opal, Oakland. One-story 6-room dwelling.

Owner—C. Cormack, 391 43rd, Okd.

Architect—None.

Day's work. COST, \$2800

## ADDITION

(1382) S E-FIFTEENTH 80 W 12th Ave., Oakland. Addition.

Owner—Brooklyn Presbyterian Church, Premises.

Architect—None.

Day's work. COST, \$500

## ALTERATIONS

(1383) NO. 732 WEBSTER, Oakland.

Alterations.

Owner—Chin Hing, Premises.

Architect—None.

cContractor—Sam Nick, 603 Harrison, Oakland. COST, \$400

## OIL STATION

(1384) W WEBSTER 365 N 14th, Oakland. One-story brick oil station.

Owner—Imperial Garage, Premises.

Architect—None.

Day's work. COST, \$400

## DWELLING

(1385) W THE ALAMEDA 320 N Solano, Berkeley. One-story 6-room dwelling.

Owner—Geo. Friend, Escondito & San Diego Road, Berkeley.

Architect—Noble Newsom, NW Crescent Ave. and B St., Berkeley.

Day's work. COST, \$3400

## DWELLING

(1386) HASTE NO. 2027 (rear), Berkeley. One-story 5-room dwelling.

Owner—Sarah A. Kirk, Premises.

Architect—None.

Contractor—P. A. Swenson, 1241 14th, Oakland. COST, \$1900

## DWELLING

(1387) W EDWARDS 213 N Dwight Way, Berkeley. One-story 5-room dwelling.

Owner—Chas. A. Werner, 2416 10th, Berkeley.

Architect—None.

Day's work. COST, \$1500

## DWELLING

(1388) E BYRON 340 N Allston Way, Berkeley. One-story 4-room dwlg.

Owner—John Kuitala, 2318 10th, Bkly.

Architect—None.

Day's work. COST, \$1000

## ALTERATIONS

(1389) NO. 2736 PRINCE, Berkeley. Alterations.

Owner—A. F. Steiner, Premises.

Architect—None.

Contractor—G. A. Fisher, 2918 Domingo Ave., Berkeley.

COST, \$400

## ADDITION

(1390) NO. 1442 BAY, Alameda. Ad-

dition.

Owner—C. Wynanson, Premises.

Architect—None.

Contractor—C. A. Gossett, 1713 Nason,

Alameda. COST, \$750

## GARAGE

(1391) NO. 1221 SHERMAN, Alameda. Garage.

Owner—Hotaling Estate, Merchants' Exchange Bldg., S. F.

Architect—None.

Contractor—Samuel Lee, 1832 San Antonio Ave., Alameda.

COST, \$400

## PAINTING

(1392) SW CHESTNUT AND SAN Antonio Ave., Alameda. All work for painting.

Owner—Rev. J. B. Praught, 1931 San Antonio Ave., Alameda.

Architect—Cunningham & Politeo, 1st National Bank Bldg., S. F.

Contractor—W. T. Baker Co., 520 Walsworth Ave., Oakland.

Filed July 7, '19. Dated July 2, '19.

On 1st and 15th of each month 75%

Usual 35 days. 25%

TOTAL COST, \$1770

Bond, none. Limit, Aug. 15. Forfeit,

\$25. Plans and specifications, none.

## DWELLING

(1393) S OCEAN VIEW DRIVE 520 E College Ave., Oakland. Two-story 8-room dwelling.

Owner—H. C. Pfrang, 5507 College Ave., Oakland.

Architect—None.

Day's work. COST, \$5000

## DWELLING

(1394) S CHABOT ROAD 40 W Hearn Oakland. One-story 5-room dwlg.

Owner—R. H. Schultz, Oakland.

Architect—None.

Contractor—Jespersion & Dipppo, 878 54th, Oakland.

COST, \$3000

## DWELLING

(1395) N HAYES 288 E 62nd Ave., Oakland. One-story 5-room dwlg.

Owner—N. A. Nelson, 1805 Elm, A.

Architect—None.

Day's work. COST, \$2250

## ALTERATIONS

(1396) NO. 1921 EIGHTY-FOURTH Ave., Oakland. Alterations.

Owner—C. H. Pickelman, Premises.

Architect—None.

Contractor—T. E. Allen, 2718 Regent, Berkeley.

COST, \$780

## ALTERATIONS

(1397) NO. 343 THIRTEENTH, Oakland. Alterations.

Owner—Rands Bros., 484 12th, Okd.

Architect—None.

Contractor—Clark Russell, 548 Linden St., San Francisco.

COST, \$500

## SHED

(1398) N E-THIRTY-FIRST 200 E 14th Ave., Oakland. Shed.

Owner—M. Andrade, 1550 E-31st, Okd.

Architect—None.

Day's work. COST, \$400

## RESIDENCE

(1399) MORAGA AVE & BONITA, Piedmont. One-story frame residence and garage.

Owner—W. McDougall, 1335 St. Charles, Alameda.

Architect—None.  
Contractor—W. J. David, 2428 Linden,  
Oakland.

COST, \$2877.50

#### DWELLING

(1400) S BURNETTE 120 W Mabel,  
Berkeley. One-story 5-room dwlg.  
Owner—Ahnefeldt & Brennen, 3108  
Harper, Berkeley.  
Architect—None.  
Day's work.

COST, \$2400

#### DWELLING

(1401) W MILVIA 400 N Berryman,  
Berkeley. One-story 4-room dwlg.  
Owner—Emily Haslett, 2120 Kittridge  
Berkeley.  
Architect—None.  
Contractor—C. F. Scammon, 2070 Uni-  
versity Ave., Berkeley.

COST, \$2000

#### ADDITION

(1402) S DERBY — E College Ave.,  
Berkeley. Addition.  
Owner—20th Century Club, Premises.  
Architect—None.  
Contractor—Louis Engler, 2435 Col-  
lege Ave., Berkeley.

COST, \$500

#### ALTERATIONS

(1403) NO. 2624 CHANNING WAY,  
Berkeley. Alterations.  
Owner—Margaret J. Best, 1435 10th  
Ave., San Francisco.  
Architect—None.  
Contractor—Fred Bowers, 2027 Chan-  
ning Way, Berkeley.

COST, \$400

#### GARAGE

(1404) NO. 2320 LE CONTE, Ber-  
keley. Garage.  
Owner—E. H. Clark, Hearst Bldg.,  
San Francisco.  
Architect—None.  
Contractor—Creagmile & Sons, 2912  
Shattuck Ave, Berkeley.

COST, \$400

#### FRAME DWELLING

(1405) CLAREMONT COURT, Ber-  
keley. All work for two-story and  
basement frame dwelling.  
Owner—Mrs. C. F. Weber, 2925 Rus-  
sell, Berkeley.  
Architect—W. H. Rateliff Jr., 1st Nat-  
ional Bank Bldg., Berkeley.  
Contractor—Walter Sorenson, 3219  
Ellis, Berkeley.

Filed July 8, '19. Dated \_\_\_\_\_  
Contractor to receive \$1000 at end  
of job

TOTAL COST, not over, \$15,713  
Bond, \$7857. Surety, Maryland Casu-  
alty Co. Limit, none. Forfeit, none.  
Plans and specifications filed.

#### FRAME APARTMENTS

(1406) SE GRAND AVE AND ELLITA  
Ave E 60 ft at right angles 120,  
Oakland. All work for three-story  
frame apartments.  
Owner—Ruth M. Smith.  
Architect—None.  
Contractor—H. H. Weider, 530 Jones,  
Oakland.

Filed July 7, '19. Dated July 2, '19.  
1st floor joists up.....\$4500  
3rd floor joists up.....4500  
Roof on.....4500  
Brown coated.....4500  
Ready for finish.....4500  
Completed.....4500

Usual 35 days.....4500  
TOTAL COST, \$31,500  
Bond, \$15,750. Surety, Hyman Steen.  
Limit, 120 days. Forfeit, none. Plans  
and specifications filed.

#### DWELLING

(1407) W TWENTY-EIGHTH AVE  
56 N E-16th, Oakland. Two-story  
7-room dwelling.  
Owner—E. Isaacson, 2003 Mitchell,  
Oakland.  
Architect—None.  
Contractor—Alex C. Wieben, 1919  
Fruitvale Ave., Oakland.

COST, \$4500

#### DWELLING

(1408) N BROOKLYN AVE 100 E  
Zorah, Oakland. One-story 6-room  
dwelling.  
Owner—C. J. Prang, 5487 Claremont  
Ave., Oakland.  
Architect—None.  
Day's work.

COST, \$3500

#### ALTERATIONS

(1409) NO. 2336 WEBSTER, Oakland  
Alterations.  
Owner—Geo. A. Faulkner, Premises.  
Architect—None.  
Contractor—W. J. Baccus, 565 16th,  
Oakland.

COST, \$1000

#### GARAGES

(1410) S STANFORD AVE 100 E San  
Pablo Ave., Oakland. Three ga-  
rages.  
Owner—Wm. O'Neill, 1082 57th, Okd.  
Architect—None.  
Contractor—California Builders Co.,  
1534 Franklin, Oakland.

COST, \$500 each

#### ADDITION

(1411) NO. 2022 E-TWENTY-THIRD,  
Oakland. Addition.  
Owner—Mrs. Calder, Premises.  
Architect—None.  
Contractor—Champney Bros., 5222  
Dover, Oakland.

COST, \$476

#### DWELLING

(1412) W THE ALAMEDA 220 N  
Solano, Berkeley. One-story 6-room  
dwelling.  
Owner—R. W. Thomas, Care Geo.  
Friend Co., Berkeley.  
Architect—Noble Newsom, Yosemite  
and Crescent Ave., Berkeley.  
Day's work.

COST, \$3400

#### GARAGE

(1413) NO. 2934 AVALON AVE., Ber-  
keley. Garage.  
Owner—B. Heathcote, Premises.  
Architect—None.  
Contractor—F. E. Allen, 2718 Regent,  
Berkeley.

COST, \$700

#### GARAGE

(1414) POINT 50 FEET FROM NW  
Cor. Ridge Road and Le Roy Ave. N  
100xW 50, Berkeley. All work ex-  
cept ornamental iron and lamps for  
two-story brick veneer private ga-  
rage and living apartments.  
Owner—A. G. Freeman, Le Roy Ave.  
and Ridge Road, Berkeley.  
Architect—Clarence A. Tanfau, Clunie  
Bldg., San Francisco.  
Contractor—A. Cederborg, 1445 E-37th  
St., Oakland.

Filed July 9, '19. Dated July 2, '19.  
On 1st of each month.....75%  
Usual 35 days.....25%  
TOTAL COST, \$10,038  
Bond, \$5019. Surety, Fidelity & Casu-  
alty Co. Limit, 70 days. Forfeit, none.  
Plans and specifications filed.

#### OIL TANK, ETC.

(1415) FORTY-SEVENTH AVE AND  
E-10th, Oakland. Two-story 4-room  
welfare building and concrete oil  
tank.  
Owner—National Lead Co. of Cali-  
fornia, Premises.  
Architect—None.  
Contractor—H. P. Hoyt & Co., 822  
Monadnock Bldg., S. F.

COST, \$7200

#### DWELLING

(1416) N ALLENDALE AVE 35 W  
Octavia, Oakland. One-story five-  
room dwelling.  
Owner—Louise H. Short.  
Architect—None.  
Contractor—C. W. Short, 245 Acton  
Place, Oakland.

COST, \$2500

#### DWELLING

(1417) N HILLSIDE 40 W 78th Ave.,  
Oakland. One-story 6-room dwlg.  
Owner—Fred Baumann, 2000 45th  
Ave., Oakland.  
Architect—None.  
Day's work.

COST, \$2000

#### GARAGE

(1418) W MONTECITO AVE 140 S  
Newton Ave., Oakland. Garage.  
Owner—Chas. L. Firebaugh, 187  
Montecito Ave., Oakland.  
Architect—None.  
Contractor—Standard Constr. Co.,  
New Call Bldg., San Francisco.

COST, \$675

#### RESHINGLING

(1419) NO. 1532 TWELFTH AVE.,  
Oakland. Reshingling.  
Owner—\_\_\_\_\_. Premises.  
Architect—None.  
Contractor—Karl Schley, 1155 E-14th,  
Oakland.

COST, \$500

#### ALTERATIONS

(1420) NO. 3030 PERALTA AVE.,  
Oakland. Alterations.  
Owner—Mrs. M. Covert, Premises.  
Architect—None.  
Day's work.

COST, \$500

#### GARAGE

(1421) NO. 1067 CLARENDON CRES-  
cent, Oakland. Garage.  
Owner—Capt. M. Thwing, Premises.  
Architect—None.  
Contractor—Jas. H. Pedgrift, 565 16th  
Oakland.

COST, \$500

#### ADDITION

(1422) NE ELEVENTH AVE AND E-  
14th, Oakland. Addition.  
Owner—Dr. J. A. Plunkett, 1108 E-  
14th, Oakland.  
Architect—None.  
Day's work.

COST, \$500

#### DWELLING

(1423) LEONA AND MOUNTAIN  
View Ave., Oakland. One-story 2-  
room dwelling.  
Owner—Richard G. Seoble, R. F. D.,  
Route 1, Box 215, Oakland.  
Architect—None.  
Day's work.

COST, \$400



## ALTERATIONS

(1424) NO. 1933 HARRISON, Oakland. Alterations and addition.  
Owner—O. G. Foelker, Premises.  
Architect—None.  
Day's work. COST, \$400

## ALTERATIONS

(1425) SW THIRTEENTH AVE & E-14th, Oakland. Alterations.  
Owner—Bowman Drug Co., Premises.  
Architect—None.  
Contractor—S. Kulchar & Co., 8th Ave. and E-10th, Oakland.  
COST, \$400

## DWELLING

(1426) W CONTRA. COSTA AVE 75 S Bridge, Berkeley. One and one-half-story 7-room dwelling.  
Owner—George E. Robinson, Cloyne Court, Berkeley.  
Architect—None.  
Contractor—H. F. Kern, 2064 Los Angeles Ave., Berkeley.  
COST, \$4300

## DWELLING

(1427) E BONAR 195 S Channing Way, Berkeley. One-story 5-room dwelling.  
Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.  
Architect—None.  
Day's work. COST, \$2450

## BARN

(1428) NO. 1102 EIGHTH, Berkeley. Barn.  
Owner—Otto J. Ohetland, Premises.  
Architect—None.  
Day's work. COST, \$400

## DWELLINGS

(1429) NOS. 1206-10-14 FOUNTAIN, Alameda. Three one-story 5-room dwellings.  
Owner—Hally & Co., 2315 Santa Clara Ave., Alameda.  
Architect—None.  
Contractor—M. H. Fish, 1340 Versailles Ave., Alameda.  
COST, \$2500 each

## ADDITION

(1430) NO. 1216 SANTA CLARA AV Alameda. Addition.  
Owner—Frank H. Hackett, Premises.  
Architect—None.  
Contractor—E. C. Randlett, 1534 Chestnut, Alameda.  
COST, \$400

## DWELLING

(1431) NO. 937 EXCELSIOR, Oakland. One and one-half-story 10-room dwelling.  
Owner—S. G. Hurst, 4288 Gilbert, Oakland.  
Architect—None.  
Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland.  
COST, \$4250

## DWELLING

(1432) E TWENTY-FIFTH AVE 465 N E-24th, Oakland. One-story five-room dwelling.  
Owner—Chas. A. Miller, 4542 E-14th, Oakland.  
Architect—None.  
Day's work. COST, \$2500

## DWELLING

(1433) E VICKSBURG 100 S Bond, Oakland. One-story 4 room dwlg.  
Owner—J. W. Thomson, S. F.  
Architect—None

Contractor—P. J. Healy, 842 37th, Okd  
COST, \$2000

## BOILER ROOM, ETC.

(1434) W CHESTNUT bet. 22nd and 24th, Oakland. Brick boiler room and boiler.  
Owner—Crystal Laundry Co., Prem.  
Architect—None.  
Contractor—O. V. Fortin, 2359 Waverly, Oakland.  
COST, \$2000

## DWELLING

(1435) N FAVOR 300 W 73rd Ave., Oakland. One-story 5-room dwlg.  
Owner—T. H. Merithew, 1331 Brush, Oakland.  
Architect—None.  
Day's work. COST, \$1500

## DWELLING

(1436) S BROOKDALE AVE 300 E Peralta Ave., Oakland. One-story 3-room dwelling.  
Owner—A. Anderson, 3233 Brookdale Ave., Oakland.  
Architect—None.  
Contractor—J. B. Malmstrom, 2326 27th Ave., Oakland.  
COST, \$1485

## ALTERATIONS

(1437) NO. 482 A ST., Oakland. Alterations.  
Owner—M. Stevens, 438 15th, Okd.  
Architect—None.  
Contractor—H. E. Irish, 2214 Clement Ave., Alameda.  
COST, \$900

## GARAGE

(1438) W EUCLID AVE 250 S Palm, Oakland. Garage.  
Owner—S. Lichenstein.  
Architect—None.  
Contractor—W. C. Duncan Co., Sharon Bldg., San Francisco.  
COST, \$500

## COMFORT STATIONS

(1439) BERRYMAN & SHATTUCK Ave., Berkeley. Two one-story concrete comfort stations.  
Owner—City of Berkeley.  
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.  
Contractor—Walter Sonensen, 3219 Ellis, Berkeley.  
COST, \$2250

(1440) NOS. 3256-58 POOTHILL Blvd., Berkeley. Alterations.  
Owner—Grats & Neppach.  
Architect—None.  
Day's work. COST, \$400

(1441) SE FLORIDA AND MAPLE Ave., Oakland. One-story 6-room dwelling.  
Owner—H. L. Valleroy, 1432 Union, Oakland.  
Architect—None.  
Day's work. COST, \$4500

## DWELLING

(1442) S EL CENTRO 260 N Edgewood, Oakland. One-story 5-room dwelling.  
Owner—J. P. Christensen, 3837 Brighton, Oakland.  
Architect—None.  
Day's work. COST, \$2850

## SCHOOLS

(1443) THOMAS AND MONROE, Oakland. Two one-story one-room schools.

Owner—City of Oakland.

Architect—None.

Contractor—John R. Faulkes, 9828 E-14th, Oakland.  
COST, \$1200 each

## SCHOOLS

(1444) W CLAREMONT AVE 300 N College Ave., Oakland. Two one-story 1-room schools.  
Owner—City of Oakland.  
Architect—None.  
Contractor—John R. Faulkes, 9828 E-14th, Oakland.  
COST, \$1200 each

## ALTERATIONS

(1445) No. 1025 BELLA VISTA AVE Oakland. Alterations.  
Owner—E. P. Cornell.  
Architect—None.  
Contractor—Fred J. Westlund, 2207 10th Ave., Oakland.  
COST, \$2000

## ADDITION

(1446) NO. 1825 E-FIFTEENTH, Oakland. Addition.  
Owner—A. Theodoropoulos, Premises.  
Architect—None.  
Contractor—L. G. Hudson, 3458 Fruitvale Ave., Oakland.  
COST, \$1100

## DWELLING

(1447) S SYLVAN AVE 300 E Laurel Ave., Oakland. One-story 4-room dwelling.  
Owner—Earl Carter, 4052 Auga Vista Ave., Oakland.  
Architect—None.  
Day's work. COST, \$550

## REPAIRS

(1448) NO. 2715 SIXTY-FIRST Ave., Oakland. Fire repairs.  
Owner—Peter Anderson, 1702 73rd Ave., Oakland.  
Architect—None.  
Day's work. COST, \$450

## ADDITION

(1449) NO. 2217 E-THIRTY-NINTH, Oakland. Addition.  
Owner—Charlie Johnson, Premises.  
Architect—None.  
Contractor—Wm. R. Ramos, 959 Arlington Ave., Oakland.  
COST, \$400

## ADDITION

(1450) NO. 1825 TENTH, Oakland. Addition.  
Owner—M. Martinelli, Premises.  
Architect—None.  
Contractor—MacLeod Bros., 1727 7th, Oakland.  
COST, \$400

## ALTERATIONS

(1451) NO. 2618 DURANT AVE., Berkeley. Alterations.  
Owner—H. J. Bernard, Premises.  
Architect—None.  
Contractor—Jas. H. Pedgrift, 565 16th, Oakland.  
COST, \$400

## ADDITION

(1452) NO. 2810 CLAREMONT BLVD Berkeley. Addition.  
Owner—J. Holden, Premises.  
Architect—None.  
Contractor—J. A. Marshall, 2967 Avalon, Berkeley.  
COST, \$800

## FRAME DWELLING

(1453) YORK DRIVE, Piedmont. Two-story frame dwelling.

Owner—Peter Block, 109 Arbor, Okd.  
Architect—None.  
Day's work. COST, \$4750

**FRAME DWELLING**  
(1454) LOT 17 LAKEWOOD PARK,  
Piedmont. One-story frame dwlg.  
Owner—W. J. Baker, 516 30th, Okd.  
Architect—None.  
Day's work. COST, \$2200

**REPAIRS**  
(1455) NO. 1919 ADDISON, Berkeley  
Fire repairs.  
Owner—Frank Durgen, Berkeley.  
Architect—None.  
Contractor—H. C. Kidder, 2075 Addison, Berkeley.  
COST, \$470

**GARAGE**  
(1456) W MARKET 162-6 N Eighth  
N 62-6xW 125, Oakland. All work  
for one-story brick garage.  
Owner—O. J. Meads, 1635 92nd Ave.,  
Oakland.  
Architect—Chas. W. McCall, Central  
Bank Bldg., Oakland.  
Contractor—H. P. Nelson, 2241 Grove,  
Oakland.  
Filed July 12, '19. Dated July 12, '19.  
Walls 10 feet high.....\$1650  
Trusses in.....1500  
Walls completed.....2000  
Floor poured.....1600  
Completed and accepted.....1419  
Usual 35 days.....2800  
TOTAL COST, \$10,969  
Bond, \$5485. Sureties, Laura B. and  
Wm. Nelson. Limit, 70 days. Forfeit,  
\$. Plans and specifications filed.

#### OAKLAND BUILDING SUMMARY FOR MONTH OF JUNE, 1919.

Classification of Buildings	No. of Permits	Costs
1-story dwellings.....	84	\$211,303
1½-st dwellings.....	14	44,610
2-story dwellings.....	12	74,482
2-story apartments.....	2	19,600
2-story steel frame dance pavilion and s'tores.....	1	150,000
3-st concrete fr factory	1	21,000
1-st reinforced concrete and frn factory	1	14,000
1-st concrete garages	3	13,075
1-st brick garages.....	3	30,000
1-st moving picture theatre and stores.....	1	15,000
Electric signs.....	14	5,060
Foundation for 4-st Class "C" building.....	1	5,000
Carages & shed.....	77	15,698
2-story barn.....	1	250
Additions.....	47	37,125
Alterations & repairs.....	89	48,579
Total.....	351	\$704,782
<b>SUMMARY.</b>		
New construction.....	262	\$656,203
Alterations & repairs.....	89	48,579
Total.....	351	\$704,782

#### NOTICES.

##### Alameda County.

Recorded Accepted  
July 2, 1919—W FRANKLIN 100.6  
N 15th N 100xW 150, Okd. Pacific  
Telephone & Telegraph Co to Otis  
Elevator Co. June 27, 1919  
July 3, 1919 S FIFTY-NINTH 87-6  
W Dover H.23x60, Oakland. I E  
Thayer Realty Co to whom it

may concern..... July 3, 1919  
July 9, 1919—NO. 1464 EIGHTY-  
eighth Ave being Lot 14 Map  
Madison Square, Okd. Robert  
Cheli to whom it may concern.....  
..... July 9, 1919  
July 10, 1919—N MATHER 150 W  
Gilbert, Oakland. Mrs Capt J P  
Hansen to Edward Olsen July 1, '19  
July 10, 1919—NO. 2736 THIRTY-  
fifth Ave being SW Allendale Ave  
and SE 35th Ave SW 50xSE 95,  
Okd. Joseph and Julia May Le  
Barse to J B Petersen June 25, 1919  
July 10, 1919—S WEBSTER 849.16  
W Claremont Ave 45x135, Bkly.  
W V Strong to Ben Pearson.....  
..... July 9, 1919

#### BUILDING CONTRACTS.

##### Fresno County.

**FRAME DWELLING**  
LOT 49, Producers Col., Fresno. All  
work for frame dwelling.  
Owner—L. R. Hamilton.  
Architect—None.  
Contractor—G. H. Stivers.  
Filed July 8, '19. Dated June 23, '19.  
Ready for roof.....¾  
Plastered.....¾  
Completed.....¾  
Usual 35 days.....¾  
TOTAL COST, \$3867  
Bond, \$2321. Sureties, Geo. F. Bras-  
hear and W. S. Jones. Limit, 90 days.  
Forfeit, none. Plans and specifications  
filed.

**FRAME DWELLING**  
JEFFERSON COLONY, Fresno. All  
work for two-story brick and frame  
dwelling.  
Owner—G. A. Spiropoulos, 1257 "F" St.,  
Fresno.  
Architect—Coates & Traver, 627  
Rowell Bldg., Fresno.  
Contractor—Joe Lo Forti, 804 "B" St.,  
Fresno.  
Filed June 30, '19. Dated June 28, '19.  
Foundation in.....\$1050  
Frame work up.....1200  
Brick work done.....1500  
Plastered.....1500  
Completed.....1500  
Usual 35 days.....2250  
TOTAL COST, \$9000  
Bond, \$4500. Sureties, G. Malanca &  
John Chiodi. Limit, 90 days. Forfeit,  
\$. Plans and specifications filed.

**FRAME DWELLING**  
LOT 15 BLK 24, Alta Vista, Fresno.  
Frame dwelling and garage.  
Owner—J. A. Starkel, 729 G St.,  
Fresno.  
Architect—None.  
Contractor—Reese & Atkins, 3643  
Platt St., Fresno.  
COST, \$7500

**DWELLING**  
LOTS 17 AND 18 BLK 88, Fairmont,  
Fresno. Dwelling.  
Owner—J. G. Ralls, 125 Modoc St.,  
Fresno.  
Architect—None.  
Day's work. COST, \$2000

**FRAME DWELLING**  
LOTS 19 AND 20 BLK 87, Fairmont,  
Fresno. Frame dwelling.  
Owner—W. R. Ralls, 125 Modoc St.,  
Fresno.  
Architect—None.  
Day's work. COST, \$2500

**MORGUE**  
LOTS 15 AND 16 BLK 369, Fresno.  
Morgue.  
Owner—Lisle & Ross, 1360 Van Ness  
St., Fresno.  
Architect—None.  
Contractor—J. R. Church, 221 North U  
St., Fresno.  
COST, \$3500

**FRAME DWELLINGS, ETC.**  
LOTS 2 AND 6 BLK 35; LOTS 2, 5 &  
7 Blk 34; Lots 3, 4, 5 Blk 33, Fresno.  
Eight frame dwellings and garages.  
Owner—Fresno Bldg. Corp., Fresno.  
Architect—None.  
Contractor—W. H. Ackerman, 3620  
Kerckhoff St., Fresno.  
COST, \$2950 each

**DWELLING**  
NO. 731 BELMONT ST., Fresno.  
Frame dwelling and garage.  
Owner—Ballsmith & Blosser, Fresno.  
Architect—None.  
Contractor—Dan Blosser, 161 Black-  
stone St., Fresno.  
COST, \$5000

**DWELLING**  
LOT "B" BLK 6, Fresno. Frame  
dwelling and garage.  
Owner—O. W. Davis, 205 Cory Bldg.,  
Fresno.  
Architect—None.  
Contractor—C. V. Smith, 1055 J St.,  
Fresno.  
COST, \$7000

**DWELLING**  
LOT 11 BLK 6, Alta Vista Tract,  
Fresno. Frame dwelling & garage.  
Owner—F. E. Reddin, Fresno.  
Architect—None.  
Contractor—C. V. Smith, 1055 J St.,  
Fresno.  
COST, \$3800

**DWELLING**  
LOT 1 BLK 16, Alta Vista Tract,  
Fresno. Frame dwelling & garage.  
Owner—Geo. W. Martin, 1128 M St.,  
Fresno.  
Architect—None.  
Day's work. COST, \$4000

**ALTERATIONS**  
LOTS 1 TO 4 BLK 61, Fresno. Alter-  
ations.  
Owner—Woodward & Risley, Fresno.  
Architect—None.  
Contractor—E. Riggins, 317 Mason  
Bldg., Fresno.  
COST, \$5000

**STORE BUILDING**  
LOT 6 BLK 236, Fresno. Store bldg.  
Owner—Waremiller & Quindt, Fresno.  
Architect—None.  
Day's work. COST, \$1200

#### BUILDING CONTRACTS.

##### San Joaquin County.

**FRAME DWELLING**  
STOCKTON ST., bet. Willow and Vine  
Sts., Stockton. Frame dwelling.  
Owner—Geo. S. Brown, Stockton.  
Architect—None.  
Day's work. COST, \$5500

**FRAME DWELLING**  
SPERRY ADDITION, Stockton. All  
work for frame dwelling.  
Owner—Mrs. A. G. Jones, Stockton.  
Architect—None.  
Day's work. COST, \$6000

## FRAME COTTAGE

MAGNOLIA AND SAN JOAQUIN STS.  
Stockton. Frame cottage.  
Owner—Frank Beliski, Stockton.  
Architect—None.  
Day's work. COST, \$3800

## ALTERATIONS

NO. 637 E-MAIN ST., Stockton. Alterations.  
Owner—L. Katten, 1028 N-Eldorado St., Stockton.  
Architect—None.  
Day's work. COST, \$1000

## ALTERATIONS

CENTER ST., bet. Market and Washington Sts., Stockton. Alterations.  
Owner—M. and R. Friedberger, 107 E-Main St., Stockton.  
Architect—None.  
Day's work. COST, \$1200

## DWELLING

MURPHY TRACT, Stockton. Seven-room dwelling.  
Owner—George Jordan, 402 Chestnut St., Stockton.  
Architect—None.  
Day's work. COST, \$4800

## FACTORY

FREMONT & LINDSAY STS., Stockton. Box factory.  
Owner—Stockton Box Co., 110 E-Channel St., Stockton.  
Architect—None.  
Day's work. COST, \$6200

## FRAME BUILDING

SPERRY'S ADDITION, Stockton. All work for frame building.  
Owner—C. C. Blair, Stockton.  
Architect—None.  
Day's work. COST, \$5000

## SEWER BIDS WANTED.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the City Trustees, C. E. Daley, City Clerk, up to 8 P. M., July 17th, for the following work:

That 5 and 6 inch vitrified ironstone pipe sewers, lampholes of 6 inch vitrified ironstone pipe be constructed on portions of Talbart, High and Buckley Streets.

## BUILDING CONTRACTS.

## Sacramento County.

## BUNGALOW

LOCKWOOD, Sacramento. Four-room frame bungalow.  
Owner—Geo. W. Locke & Son, 318-20 "J" St., Sacramento.  
Architect—None.  
Contractor—F. L. Gould, Sacramento.  
Dated June 24, 1919. COST, \$5390

## BASEMENT

NO. 814 SIXTH ST., Sacramento. Construct basement.  
Owner—Western Meat Co., 806 6th St., Sacramento.  
Architect—None.  
Day's work. COST, \$3000

## COMPLETION NOTICES.

## Sacramento County.

Recorded Accepted  
July 2, 1919—E 60 LOT 2 and W 20  
Lot 3 L. M., 6th and 7th Sts., Sacramento. Albert Elkus and Edw J Kay to whom it may concern.  
July 2, 1919

## BUILDING CONTRACTS.

## Santa Clara County.

## COUNTER WORK, ETC.

SE EMERSON AND UNIVERSITY Aves, Palo Alto. Banking room finish and counter work including finish in Directors' room, etc., to be installed in bank building.  
Owner—Bank of Palo Alto, 116 University Ave., Palo Alto.  
Architect—W. H. Weeks, 75 Post St., San Francisco.

Contractor—The Fink & Schindler Co., 218-246 13th St., San Francisco.  
Filed July 8, '19. Dated July 8, '19.

As work progresses..... 75%  
Usual 35 days..... 25%

## TOTAL COST, \$14,645

Bond, \$7323. Sureties, Otto T. Hildebrecht and Ernest Richter. Limit, 60 working days. Forfeit, \$20 per day overtime limit. Plans and specifications filed.

## PLUMBING WORK, ETC.

LOT 14 of the San Juan Extension Subdivision on the Campus of the Leland Stanford Jr. University, Palo Alto. Plumbing work including furnishing and setting of fixtures, piping, hot water heaters, drains and sewer complete.  
Owner—Mrs. Lou Henry Hoover of The Stanford University.  
Architect—A. B. Clark.  
Contractor—Frederick W. Snook Co., 596 Clay St., San Francisco.

Filed July 7, '19. Dated July 7, '19.  
On 1st of each month..... 75%  
Usual 35 days..... 25%

## TOTAL COST, \$7748

Bond, \$3874. Surety, New Amsterdam Casualty Co. Limit, to be given by Architect later. Forfeit, none. Plans and specifications filed.

## COMPLETION NOTICES.

## Santa Clara County.

Recorded Accepted  
July 8, 1919—LOS GATOS. L Cairns to E Hiatt..... July 8, 1919

## Electric Plant Survey Ordered.

CHICO, Butte Co., Cal.—As a preliminary step toward the construction of the municipal electric system power generating plant, the City Trustees instructed City Engineer Frank S. Robinson to make preliminary survey of the cost of a power plant in the canyon, capable of generating 3,000 horsepower.

Construction of two plants will also be considered.

Robinson said engineers would be placed on the survey as soon as possible.

A measurement of the water in Chico Creek, which the city owns, was made two years ago by City Trustee Martin C. Polk, he told the Board. He found it to be about twenty-five cubic feet per second. He said that an 800-foot drop could be secured in four miles, capable of generating 2,000 horsepower, and that 3,000 actual horsepower would be generated in two drops.

Polk placed the pre-war cost of such a plant at \$75 per horsepower, but said that present costs would be about \$110.

The plan as outlined by Polk would be to build the first dam at what is known as Mickey's, about fourteen miles up the canyon, with the second about three miles further down. All water used for power purposes will be returned to the creek.

## SEWER BONDS.

WILLOWS, Glenn Co., Cal.—By a vote of 274 to 17, the Willows electorate ratified a proposition to bond the city for \$40,000 for the construction of a sanitary sewer system. The new system, to be known as No. 2, will take in practically all of the town outside the district served by the present system.

## ASK CONSTRUCTION OF SUBWAY.

SACRAMENTO, Cal.—The Sixteenth Street Improvement Club has asked the City Commission to take up the improvement of Sixteenth Street, by the opening of a subway under the Southern Pacific tracks and the extension of the street from B street to A street and from A street to upper B street, connecting with the Auburn Boulevard.

The matter was referred to Commissioner of Streets D. W. Carmichael for action.

The petition of the club recites that the improvement was contemplated some time ago, but abandoned on account of war conditions.

## HIGHWAY CONTRACTS AWARDED

SACRAMENTO, Cal.—The following awards have been made by the Advisory Board of the Department of Engineering, on July 8th, 1919:

To J. Wilmhurst, San Francisco, California.

For the construction of a section of State highway in Humboldt County, Division I-Route 1-Section J, (between Freshwater Lagoon and Orick, about 2.8 miles in length.) Contract price, \$39,976.50.

To Palmer & McBryde, Hooker Lent Bldg., San Francisco, California.

For the construction of a section of State highway in Del Norte County,

Division 1-Route 1-Section B, (between Last Chance Slide and Cushion Creek, about 7.9 miles in length.) Contract price, \$195,840.10. (27622) 1st report May 23; 3rd June

#### BRIDGE CONTRACT AWARDED.

REDWOOD CITY, San Mateo Co., Cal.—The County Supervisors have awarded a contract for the construction of the New Years bridge in the Fifth Township to A. Mattson of San Bruno on his bid of \$11,427.50.

#### IRRIGATION PROJECT.

OKDALE, Stanislaus Co., Cal.—The Sierra and San Francisco Power Company has asked the Oakdale and South San Joaquin irrigation districts to join with them in the immediate construction of the Donnel's Flat reservoir at an estimated cost of \$2,000,000. The power company has made the two districts a proposition by which the irrigators will lend their credit to the corporation in return for which the company practically agrees to supply water at a minimum cost.

The Donnel's Flat project is intended to store 60,000 acre feet of water and is a necessary unit in the development of the Sierra and San Francisco Power Company's plans. The power company had promise of government backing in this project, but this was withdrawn when the armistice was signed. The irrigation directors have promised to consider the company's offer. A bond issue would be submitted to the land owners before any promise could be made.

#### ELECTRIC WIRING CONTRACT AWARDED.

LOS ANGELES, Cal.—H. H. Walker, 505 Marsh-Strong Bldg., Los Angeles, has been awarded the contract at \$27,612 for the installation of the electric wiring in the new hotel building to be erected on Wilshire Blvd., by the Wilshire Boulevard Hotel Co., Myron Hunt, 1017 Hibernian Bldg., architect. An additional contract amounting to \$1831 was also awarded to Mr. Walker for wall papers, and a provisional contract at \$1615 if the top floor of the hotel is completed.

#### POWER PLANT.

FRESNO, Cal.—The San Joaquin Light & Power Co., Wm. G. Kerckhoff, president, will speed up its new \$3,651,000 hydro-electric project on the San Joaquin river. New plans eliminate 19,000 feet of conduit and extend the tunnel now under construction to 17,700 feet. This tunnel is 17 feet in diameter. A dam will be built two miles below the present power house.

The new power house will have 45,000 h. p. capacity.

#### STREET AND SEWER CONTRACTS AWARDED.

SACRAMENTO, Cal.—The City Commissioners have awarded contracts for the following improvements:

Improving "P" street from Second to Third streets by grading the roadway and constructing a pavement of a hydraulic concrete foundation and a bitulithic wearing surface.

Improving "P" street from Third to Seventh streets by grading the roadway and constructing a pavement of hydraulic concrete foundation and a bitulithic wearing surface.

Awarded to Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

Improving the alley between Forty-seventh and Forty-eighth streets, from "R" street to the alley first north of "T" street, by constructing an 8 inch vitrified ironstone pipe sewer with 22 6 inch vitrified ironstone wye branches and 1 concrete manhole.

Improving the alley first N of "T" street from a point 50 feet E of the E line of Forty-seventh street to a point 50 feet W of the W line of Forty-eighth street, by constructing a 6-inch vitrified ironstone pipe sewer with 5 6-inch vitrified ironstone wye branches and 2 6-inch vitrified ironstone flusher branches attached, and 1 concrete manhole.

Awarded to J. W. Terrell, 1111 29th St., Sacramento.

(27322) 1st report May 9, and (27701) 1st report May 27, 1919. E

July 9, 1919.

#### TO PURCHASE FIRE HOSE.

MERCED, Merced Co., Cal.—At the last meeting of the City Trustees it was decided to call for bids for furnishing 500 feet of fire hose.

#### Contract Awarded For Cement Sewer Pipe.

LOS ANGELES, Cal.—Mike Chutuk, 1506 Pleasant St., Los Angeles, was awarded a contract at \$79,229 for constructing a cement pipe sewer in Sixty-third Place between Vermont and Denver avenues, and other streets in Sixty-third place sewer district. Other bids received by the Board of Public Works were: Wm. M. Gosling, \$96,864; Tryon & Brain, \$137,000; Geo. R. Curtis, \$146,000; M. S. Cummings, \$198,800. The work will comprise 35,388.8 feet of sewer.

#### Contract Awarded.

APARTMENTS Cost, \$25,000  
SAN FRANCISCO. N Pine Street 199  
W Leavenworth Street.  
Owner & Architect—J. F. Dunn, Phelan Bldg., San Francisco.  
Concrete work awarded to American Concrete Co., 785 Market Street.  
Mill work to Pacific Mfg. Co., 117 Stevenson Street.  
Plumbing to James & Drucker, 450 Hayes Street.  
Plastering to Leonard Bosch, 41 Pluto Street.  
Wiring to American Elec. Eng. Co., 1723 Post Street.  
Heating to Atlas Heating & Ventilating Co., 72 Freelon Street.

Contract to be Awarded Shortly.  
ASSEMBLY HALL Cost, \$74,887  
SAN JOSE, Santa Clara Co., Cal.  
State Normal School.

Reinforced concrete assembly hall.  
Owner—State of California.  
Architect—State Architect.  
Contractor—E. T. Leiter & Son, New Call Bldg., San Francisco.

Howard S. Williams submitted the lowest bid at \$65,544, but omitted several parts of the work and asked to withdraw his bid.

Ready for Figures in About a Week.  
AUTOMOBILE ACCESSORY BLDG.  
Cost, \$40,000.

SAN FRANCISCO. SE O'Farrell and Van Ness Avenue.

Two-story and basement reinforced concrete automobile accessory building.

Owner—Mr. Steinberger.  
Architect—Joseph L. Stewart, 1212 Claus Spreckels Bldg., S. F.

#### BRIDGE BIDS WANTED.

PHOENIX, Ariz.—Until 2 P. M., July 21, bids will be received by Thomas Maddock, State Engineer, for constructing a 120-ft. span reinforced concrete arch bridge across Queen creek on the Mesa-Superior highway. Plans and specifications may be obtained from the State Engineer on deposit of \$5.

#### BIDS WANTED FOR BRIDGE.

SAN DIEGO, Cal.—Until 2:30 P. M., July 28, bids will be received by the Supervisors of San Diego County, J. B. McLees, Clerk, for constructing a reinforced concrete bridge at Cardiff. Plans may be obtained at the office of the Board. Certified check for 5% required.

#### PAVING CONTRACT AWARDED.

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the

contract at \$61,493 for paving Garnet street, Brand avenue, and Balboa St., Pacific Beach, San Diego. The paving will have a 4-in. concrete base and 1½ inch Warrentite surface.

#### LOW BIDDER FOR PAVING.

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, submitted the lowest bid at \$88,907 for grading and paving portions of India St., Pierce St., California St., La Jolla Ave., San Diego Ave., and Taylor St., with concrete base and bitulithic surface.

#### BIDS WANTED FOR DRAINAGE SYSTEM.

PHOENIX, Ariz.—Until 2 P. M., July 28, bids will be received by A. V. Thompson, City Manager, for furnishing and laying 4000 feet 18-in., 7000 ft. 15-in., 15,200 ft. 12-in., 6000 ft. 10-in., and 17,300 ft. 18-in. drain tile and constructing 130 manholes in accordance with plans and specifications which may be obtained from the City Engineer on deposit of \$5. Bids will be taken on both vitrified glazed tile and concrete tile. Certified check for 5% required. The city will construct a tile drainage system instead of installing pumps as originally proposed to lower the underground water level. Bonds to the amount of \$100,000 have been voted.

#### COUNTY HIGHWAY BID UNDER ADVISEMENT.

SACRAMENTO, Cal.—The Board of Supervisors received only one bid for the paving with concrete of a mile and a half of highway on Brannen Island, below Isleton, that of the Healy Tibbitts Construction Co., 9 Main St., San Francisco, in the sum of \$13,320 for grading and \$25,833.50 for the concrete work. It was taken under consideration.

#### HIGHWAY BONDS.

VENTURA, Ventura Co., Cal.—The Supervisors of Ventura County are considering calling an election to vote on issuing \$500,000 bonds to build 35 miles of road to complete the county highway system. The projects contemplated include the following: Santa Paula to Ojai; Telephone road, state highway to Saticoy; Vineyard avenue, El Rio to Saticoy; Camarillo road, state highway through Santa Rosa valley; Wood road, Oxnard; Sespe avenue and certain roads in Bardsdale.

#### ART GALLERY FOR SACRAMENTO.

SACRAMENTO, Cal.—A new fire-proof building, costing some \$35,000, to house the E. B. Crocker Art Gallery, is proposed to the City Commis-

sion by Grove L. Johnson, President of the Board of Trustees of the Institution. The proposal received unanimous individual endorsement by the members of the Commission, although no action was taken, further than to refer the matter to J. Q. Brown, President of the Commission, and Gus S. Turner, Commissioner of Finance, both of whom, with Commissioner G. C. Simmons, expressed favorable views. Plans for the proposed structure were prepared by Architect E. C. Hemmings.

#### NO BIDS RECEIVED FOR COURT-HOUSE. TO TAKE SEGREGATED BIDS.

WINNEMUCCA, Nevada.—No bids were received by County Clerk J. W. Davey of Humboldt County, Nevada, on July 7th, for the construction of the reinforced concrete courthouse at Winnemucca, Nevada. New bids will be called for shortly and will be taken for segregated contracts instead of a general contract. Plans were prepared by Architect F. J. De Longchamps, of Reno.

#### TO ERECT HOTEL.

LINDSAY, Tulare Co., Cal.—The Lindsay Hotel Co. will be incorporated with \$250,000 capital stock to erect a semi-fireproof hotel building containing 138 rooms, estimated to cost \$200,000. The committee on organization selected at a meeting of citizens, is composed of Chas. K. Powt, chairman; A. M. Robertson, secretary; A. J. Howe, G. V. Reed, G. H. Waddell and King C. Gillette.

#### BIDS WANTED FOR PUMPS.

SAN FRANCISCO—The San Francisco Board of Public Works will receive bids until July 23, 1913, for the supply and delivery of two motor driven Centrifugal Turbine Pumps, capacity of 250 and 400 gallons a min. from 650' depth for Big Creek shaft of the aqueduct construction, Mountain Division, Hetch-Hetchy. Contract No. 65. Estimated cost, \$3,600 and \$1,750 respectively. Bonds, \$900 and \$500.

#### CONTRACT AWARDED FOR TANK AND PIPE LINE.

ANGEL ISLAND, Cal.—The Schultz Constr. Co., 46 Kearny St., San Francisco, have been awarded a contract at \$3,870 for constructing a 200,000 gallon tank and pipe line at Fort McDowell, Angel Island. Limit, 60 days from July 1st.

#### BONDS.

SAN MATEO, San Mateo Co., Cal.—A special election will be held in San Mateo late next month or early

in September to vote on a proposed \$40,000 bond issue for improved fire protection as follows:

Electric fire alarm apparatus, \$24,000.

New motor chemical engine with pump, \$12,000.

Moving high pressure pump from city library lot to basement of the city hall, \$4,000.

#### WATER PROJECT PLANNED IN CONTRA COSTA COUNTY.

RICHMOND, Contra Costa Co., Cal.—A campaign is being made here for the organization of a district of irrigation to supply water for both agricultural and industrial purposes from the San Joaquin river.

The plan proposed would include the installation of a pumping system on the San Joaquin river to pump the water to large reservoirs in the hills back of Ignacio valley. From these reservoirs the water would be taken by a series of distributing systems to farmers all over upper Contra Costa county.

E. B. Anderson has been chosen temporary president of the project, which will be later organized as an assessment district under the provisions of the Wright act. Rough surveys have been made by the proponents of the plans and the project has been found feasible.

#### TO BUILD TOURIST HOTEL.

SANTA MONICA, Los Angeles Co., Cal.—The Santa Monica hotel committee has announced that D. M. Linard, president of the California Hotel Co., has agreed to operate a large tourist hotel to be erected at Wilshire Blvd. and Ocean Ave.; also that \$1,800,000 had been subscribed for the project. The committee is composed of Col. J. B. Lankershim, H. L. Hall, J. Wiseman McDonald, Harry Gorham and C. L. Bundy. Myron Hunt of Los Angeles, is the Architect.

#### SEWER WORK PLANNED.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has passed an ordinance declaring the intention of the Board of Trustees of the City of Fresno to form a sewer improvement district to be known as 'Municipal Improvement District No. 1'. Bonds will be issued to finance construction of sewers in the district.

#### CONTRACT AWARDED FOR CONCRETE PIT.

SAN FRANCISCO—The State Board of Harbor Commissioners, Frank G. White, Chief Engineer, has awarded a contract to D. C. McCabe, 2486 Post St., on his bid of \$800, for furnishing labor and material used in the con-

struction of a reinforced concrete pit on the lot of the Belt Railroad at the "Embarcadero" and Lombard street.

## TWO BRIDGES CONTRACTED.

REDDING, Shasta Co., Cal.—The Supervisors have transferred to William Stephens of Redding the contract for building two concrete bridges on the Millville-Redding Road, his bid of \$4,834 being the lowest of several. The bridges are to be across sloughs, one at the Hatler place, the other at the Grant place.

## ROAD APPROPRIATION MADE.

MARYSVILLE, Yuba Co., Cal.—The Supervisors have transferred \$60,000 of county money into a new fund which is to be used solely for the building of permanent roads.

The action is in line with the decision of the Board to build five miles of permanent road every year, and this appropriation marks the creation of the fund.

It is believed that the first road built with the money will be in District 10.

The plans for the permanent roads will be drawn by the County Engineer and thereafter approved by the State Highway Commission.

## FIRE HOSE CONTRACT AWARDED.

WOODLAND, Yolo Co., Cal.—The American Rubber Co., Sheldon Bldg., San Francisco, has been awarded a contract by the City Council for furnishing 1,000 feet of fire hose on their bid of \$1.10 a running foot.

## LOW BIDDER FOR PAYING.

RIVERSIDE, Cal.—R. T. Shea Construction Co., Riverside, submitted the lowest bid at \$11,068.05 for grading and paving portions of Archibald Avenue and Cloverdale Road.

The same company also submitted the lowest bid for paving Ontario avenue between Compton and Josephine avenues at \$4,404.93.

## CONTRACT AWARDED FOR SKIPS.

SAN FRANCISCO.—The San Francisco Board of Supervisors have awarded a contract to Joshua Hendy Iron Works at \$3,920 for furnishing self-dumping skips for the Hetch-Hetchy Project.

## WATER SERVICE FOR SCHOOL.

SAN FRANCISCO.—Architect John Reid Jr., requests the San Francisco Board of Supervisors to authorize the installation of a 3" water service for the Argonne School, on Cabrillo bet. 17th and 18th avenues.

## HIGHWAY BONDS.

TUSCON, Ariz.—The Supervisors of Pima county have decided to call an election to vote on issuing \$1,500,000 bonds to complete the county highway system. Federal aid to the amount of \$350,000 will be secured on the 14 road projects to be provided for by bonds. There will be one concrete bridge and two concrete dips.

## ENGINEER SELECTED FOR PETALUMA PAVING.

PETALUMA, Sonoma Co., Cal.—At the last meeting of the City Council Civil Engineer W. C. Howe of San Francisco was present and offered to furnish plans and specifications for the improvement of Main and Third streets for \$800. The offer was accepted. Howe was authorized to employ a field party at additional expense to make surveys.

An ordinance providing for the issuance of \$80,000 in bonds for the improvement of Main and Third streets was introduced and ordered published.

## BIDS OPENED FOR MERCED HIGH SCHOOL.

MERCED, Cal.—The following bids were received July 11th by the Merced Union High School District for the construction of a group of brick and terra cotta buildings. No bids were received on Propositions No. 1 and 2, including excavating, concrete, cement, masonry and terra cotta, etc., in bid No. 1 and carpentry work, etc., in No. 2, these will be readvertised.

### Sheet Metal Work.

R. Barcroft & Sons, Merced.....\$1495  
Christenson & Anderson, Palo Alto ..... 3552

### Tile Roofing.

C. L. Passmore, Los Angeles.....\$5,889  
Fibrestone & Roofing Co., San Francisco ..... 6,314  
Gladding, McBean & Co., San Francisco ..... 7,125

### Composition Roofing.

Fibrestone & Roofing Co.....\$550  
J. W. Bender Roofing Co..... 673

### Plastering.

J. C. McLeod, San Francisco.....\$12,503  
J. B. Guerard ..... 12,770  
Finnigan & Fitzpatrick..... 16,500

### Blackboards.

Pacific Coast Blackboard Co.....\$1,350  
Rucker-Fuller Desk Co., San Francisco ..... 1,050  
C. F. Weber Co., San Francisco 1,576

### Painting.

D. Zelinsky, San Francisco.....\$900  
Electrical Work.  
Golden Gate Elec. Co.....\$5,611  
Electrical Constr. Co..... 7,680  
C. C. Severn, San Francisco..... 6,900  
S. E. Osborn..... 7,225  
Res Elec. & Eng. Co..... 8,888  
R. Barcroft & Son, Merced..... 8,805

Plumbing, Gas Fitting, Sewering, Etc.  
J. Hokam, Modesto.....\$11,671  
Hateley & Hateley, Sacramento 11,986  
R. Barcroft & Sons, Merced..... 12,357  
Frederick W. Snook, S. F..... 12,598  
A. Lettich, S. F..... 13,625  
James & Drucker, S. F..... 13,410  
Christenson & Anderson..... 14,282

### Program Clocks.

Standard Elec. Time Co., San Francisco .....\$1,410

### Hardware.

California Hardware Co., Los Angeles .....\$4,254  
R. Barcroft, Merced..... 5,463  
Hoffman Marx Co..... 5,340

### Heating and Ventilating.

James A. Nelson, S. F.....\$12,227  
Hateley & Hateley, Sacramento 12,671  
Bay Engineering Co., S. F..... 12,855  
James & Drucker, S. F..... 13,270  
Christenson & Anderson..... 16,332  
R. Barcroft & Sons, Merced..... 13,387

Bids to be Called in About Two Weeks  
For Excavating, Etc.

STATE BUILDING Cost, \$—  
SAN FRANCISCO. Civic Center.  
Class "A" State Building.  
Owner—State of California.  
Architects—Bliss & Faville, Balboa Bldg., San Francisco.

Working Drawings Being Prepared.  
CHANDLER, Arizona.

Three two-story brick and stucco High School Buildings.  
Owner—Chandler School District.  
Architects—Allison & Allison, 1401 Hibernian Bldg., Los Angeles.

## ROAD WORK PLANNED.

REDWOOD CITY, San Mateo Co., Cal.—At the last meeting of the County Supervisors the matter of improving Hooper road in the third township again came up and Supervisor MacBain said the county would have to pay one-half the cost. The Board will inspect the road and make a decision at the next meeting.

## Architects Selected For Fresno School Buildings.

FRESNO, Fresno Co., Cal.—The City Board of Education has selected architects to prepare plans for the various school improvements planned under the \$2,000,000 bond issue recently voted.

Coates & Traver were awarded the contract for the new \$750,000 high school.

Edison School, E. J. Kump.  
John Muir School, Glass & Butner.  
Longfellow addition, Swartz & Swartz.

Washington addition, E. Mathewson.

Arlington Heights school, R. B. Hotchklin.  
 Jackson school, Swartz & Swartz.  
 Jefferson Annex school, Glass & Butner.  
 Lincoln school, E. Mathewson.  
 Franklin school, R. B. Hotchklin.  
 Kirk addition, Coates & Traver.

Ready For Figures Monday.

**APARTMENTS** Cost, \$100,000  
**OAKLAND**, Alameda Co., Cal.

Six-story reinforced concrete apartments (2 and 3 rooms apts.).

Owner—Withheld.

Architect—Chas. H. Skidmore, 616 New Call Bldg., San Francisco.

Ready for Figures Monday.

**APARTMENTS** Cost, \$85,000  
**SAN FRANCISCO**. Post Street.

Six-story reinforced concrete apartment (2 apts. on each floor, also garage for 30 cars.)

Owner—Withheld.

Architect—Chas. H. Skidmore, 616 New Call Bldg., San Francisco.

#### DEISEL ENGINE BIDS OPENED.

**PALO ALTO**, Santa Clara Co., Cal.—The low bid for furnishing and installing a new Deisel engine at the Municipal Power Plant was submitted to the City Trustees by the McIntosh-Seymour Corporation, 461 Market St., San Francisco, at \$48,900. The highest bid received was that of the Busch-Seizer Co. at \$53,800.

For the electric generating unit there were only two bids. The General Electric Company put in a figure of \$5680 and the Westinghouse concern \$6000. The bids were taken under advisement.

#### ROAD CONTRACT AWARDED.

**STOCKTON**, San Joaquin Co., Cal.—The County Supervisors have awarded a contract to Cy Moreing, Commercial & Savings Bank Bldg., Stockton, for the construction of 8 miles of the Terminous road, the contract price being \$69,400. This will include the paving of this stretch from Terminous to the Davis road, 4 miles to be water-bound and 4 miles to be oil bound macadam. Moreing was the only bidder.

#### CULVERT AND BRIDGE WORK PLANNED.

**NAPA**, Napa Co., Cal.—The County Supervisors have instructed County Engineer O. H. Buckman to prepare plans and specifications for a reinforced concrete culvert on the road leading from the Fly district school house to Buchli Station, said culvert located near the P. M. Raven ranch, and for

a reinforced concrete bridge across Milliken Creek on Foss Valley road near the General Miller place.

Buckman has been instructed to construct two concrete culverts in Road District Five, both of said culverts located on the cross road from Coombsville to the Hagan road.

Jas. A. Daly is County Clerk.

#### POMONA SITE CHOSEN FOR IMBECILES' HOME.

**POMONA**, Los Angeles Co., Cal.—Trustees of the Pacific Colony have closed the deal for a site for the state institution on Valley Blvd. between Walnut and Spadra stations near Pomona. An appropriation of \$100,000 is now available for buildings and equipment. Plans have been made by the State Architect, Mrs. J. Powers Flint of Los Angeles, is president of the board of trustees.

#### CONTRACT LET FOR TEN BRIDGES

**MARYSVILLE**, Yuba Co., Cal.—The Yuba County Board of Supervisors have awarded contracts for the construction of ten bridges in the county, two to be on the north side of the Yuba River and the remaining eight on the south side. The contract price of the ten structures is \$35,782, or \$278 less than the estimated cost of County Surveyor Leslie Crook.

T. H. Polk of Chico will build three of the bridges; Jenkins & Wells of Sacramento, one, and Edward H. Martin of Oakland, six.

#### PAVING BIDS REJECTED. NEW BIDS ORDERED.

**MARYSVILLE**, Yuba Co., Cal.—The City Trustees have rejected bids for paving streets in District No. 7 and new bids have been ordered received.

This action was taken due to the fact that the streets contained in the district have been repaired at different times and it was at first thought the paving would only necessitate a covering of asphaltum.

However, residents of the streets in question desire to have the work done thoroughly and the new bids will include the laying of a foundation and the asphaltum layer.

The streets included in District 7 are: D street, from Fifth to Ninth; Fifth street, from B to D; and Sixth street, from A to C.

(27933) 1st report June 9, 1919. E

#### ROAD BONDS.

**WOODLAND**, Yolo Co., Cal.—The Yolo County Supervisors have set August 26th as the date to decide the question of issuing and selling bonds of \$1,000,000 with which to finance the

construction of 100 miles of county roads.

District Attorney C. C. McDonald has been instructed to prepare the necessary proceedings.

#### BRIDGE WORK PLANNED.

**WOODLAND**, Yolo Co., Cal.—The County Board of Supervisors have decided to construct three new bridges as follows:

One in Supervisors M. H. Stitt's district north of Capay across Cache creek, to have a 170-foot span and to cost upwards of \$30,000.

A steel bascule bridge in Supervisor F. B. Edson's district, spanning Sycamore slough into the Fair ranch to cost about \$20,000. It will have a 90-foot span.

The third bridge is to be in Supervisor W. O. Russell's district at Davis, connecting Yolo and Solano counties. It will cost each county around \$5000

#### WATER TOWER AND TANK BIDS WANTED.

**WOODLAND**, Yolo Co., Cal.—The City Trustees have instructed City Engineer Asa Proctor to prepare plans and specifications for the proposed new water tower and tank to be erected in this city, increasing the city's water supply by 125,000 gallons.

#### CITY WORK.

**SAN FRANCISCO**.—The San Francisco Board of Education will set aside \$6,000 for re-constructing the Everett Annex School and \$3,485 for repairs to the Hawthorne School.

The Board of Supervisors have been requested to call for bids for 350 water meters to be installed in the Reis Tract.

The Board has approved specifications and ordered bids to be opened July 2, for four self-dumping skips and side plates for aqueduct shafts, Mountain Division, Hetch-Hetchy. Estimated cost, \$4,250.  
 (28301-28302-28303)

#### PAVING WORK PLANNED.

**COLUSA**, Colusa Co., Cal.—The City Trustees have decided to pave Market street from the end of the present concrete to Thirteenth street, as in time the county will change the Princeton road to enter the town at Thirteenth. Twelfth street will not be paved as was planned.

#### STREET WORK PLANNED.

**OROVILLE**, Butte Co., Cal.—The City Trustees have laid out the following program for street improve-

ments for the fiscal year ending June 1920:

Paving of Montgomery street from Fourth avenue to the Marysville Road and from Oliver avenue to Bridge St.

Myers street from High street to city limits.

Robinson street from Lincoln street to Marysville Road.

Bridge street from the Feather River bridge to the south line of Orange avenue.

It was stated that the Board planned to use the same type of pavement already laid in the city.

The Board also declared their intention to force the construction of sidewalks from the south side of Orange avenue to Washington street, and on Park, Hewitt, Wilcox and Spencer streets in the Park Addition. It was decided that property owners would be allowed to lay their own sidewalks, curb and gutter under private contract. S. J. Norris, is City Engineer.

#### TO BUILD \$5,500,000 TIRE FACTORY AND COTTON MILL.

LOS ANGELES, Cal.—The Goodyear Tire & Rubber Co. has purchased the Ascot Park property and 320 acres south of the park as a site for a large manufacturing plant and industrial city. Approximately \$4,000,000 will be expended in the erection of a group of buildings for a tire manufacturing plant and about \$1,500,000 will be invested in a cotton mill to be operated in conjunction with the tire plant. These two industries will employ about 3700 people and a portion of the property will be laid out as an industrial city to provide homes for the workers. The industrial city will be planned by landscape architects and the plans for the factory buildings will be prepared by Eastern engineers, specialists in this line of construction.

#### CONTRACT AWARDED FOR RADIO STATIONS.

WASHINGTON, D. C.—The Pittsburgh, Des Moines Steel Co. have been awarded a contract by the Bureau of Yards and Docks, Navy Department, for constructing the following steel radio towers:

Specification 3965: One 600 foot steel tower with concrete foundations at the Naval Station, Guam. Estimated weight, 312 tons, and two 450 foot self-supporting steel towers on concrete foundations at the Radio Station, South San Francisco, Calif. Estimated weight, 185 tons each tower, under Specification 3966.

#### BRIDGE CONTRACTS AWARDED.

SAN JOSE, Santa Clara Co., Cal.—The following contracts were awarded by the Supervisors at their last meeting for the construction of a reinforced concrete bridge on Alamitos road at Almaden mines. The Surveyor's estimate was \$5,260.

E. Nommensen.....	\$4,963
Hirsch & Sciarrino.....	\$5,685
Frank Bryant.....	6,000
Wm. Martin.....	5,209

Awarded to E. Nommensen, 134 S. 8th St., San Jose.

For the construction of a reinforced concrete bridge over Metcalf road over Metcalf creek. Surveyor's estimate, \$1,760.

Frank Bryant.....	\$1,600
J. H. Miller.....	1,747
Wm. Martin.....	1,489

Awarded to Wm. Martin, San Jose.

For the construction of wooden bridges on Columbet avenue, the following bids were received. Surveyor's estimate, \$3,340.

J. H. Miller.....	\$2,800
Frank Bryant.....	2,800

Awarded to Frank Bryant, 286 W. San Carlos St., San Jose.

For a drainage ditch on Blaney avenue in Supervisor District No. 4. Surveyor's estimate, \$2,125.

Raisch Improvement Co.....	\$2,000
Bos & O'Brien.....	5,500
J. W. McClay.....	4,259

Awarded to Raisch Improvement Co., 46 Kearny St., San Francisco.

Henry A. Pfister, County Clerk.

#### STREET WORK PLANNED.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees, C. E. Daley, Clerk, have passed a resolution of intention providing for the following work:

That portions of Escobar Street be graded and paved with 24 inch pavement of hydraulic concrete base, reinforced with Clinton wire mesh and bitulithic wearing surface, with a paint binder course and a bitulithic flush coat; concrete curbs; concrete sidewalk; 30-inch corrugated iron and concrete culvert be constructed.

SELMA, Fresno Co., Cal.—More than three miles of street paving is soon to be added to this city. Notices have been posted legalizing the action of the city trustees in assessing the city for the improvement.

Most of the streets being paved at this time are to connect the paving of the business section with the three approaches that are to be built under the recent county highway bond issue.

#### RETURN BRIDGE BIDS UNOPENED

REDWOOD CITY, San Mateo Co., Cal. Bids received by the County

Supervisors, Elizabeth M. Nash, County Clerk, on July 7th, for the construction of a reinforced concrete bridge on Governor avenue over San Francisquito creek between the counties of San Mateo and Santa Clara, were returned unopened owing to a legal question of rights of way.

#### BIDS OPENED FOR BRIDGE.

REDWOOD CITY, San Mateo Co., Cal.—The following bids were received by the San Mateo County Supervisors on July 7th, for the construction of a reinforced concrete bridge over New Years Creek in the 5th Road District of San Mateo County:

A. Matson, San Bruno.....	\$11,427
C. Miller, Redwood City.....	13,500

(28165) 1st report June 6, 1919. E

#### GUTTER REPAIR CONTRACT AWARDED.

SAN JOSE, Santa Clara Co., Cal.—At the last meeting of the County Supervisors the following bids were received for furnishing the necessary materials to reline gutters at the county hospital:

Garden City Sheet Metal Works	\$1345
Mangrum & Otter Co.....	1463

Contract awarded to the Garden City Sheet Metal Co.

#### BONDS FOR PAVING.

EAGLE ROCK CITY, Los Angeles Co., Cal.—The City Trustees have adopted a resolution providing for a bond issue of \$57,000 for the improvement of about 70 city streets by resurfacing with oil and rock screenings or crushed rock. A resolution has also been adopted favoring a bond issue of \$33,000 for three-fourths the cost of making a boulevard of Central avenue.

OAKLAND, Cal.—The City Council L. W. Cummings, City Clerk, has passed resolutions of intention providing for the following work:

That 38th avenue from East 14th street to the NE line of the California Railway right-of-way, be graded, curbed with concrete, guttered with concrete gutters, and paved with oil macadam; also

A corrugated iron and concrete culvert be constructed.

OAKLAND, Cal.—Bids will be received by the City Council, L. W. Cummings, City Clerk, up to 12 M., July 24th, for the following work:

That Harvey avenue, from 55th avenue to 57th avenue, be graded; curbed with redwood; guttered with concrete gutters, 3 feet wide, and paved with oil macadam pavement.



# Building Statistics For May, 1919.

Returns Officially Reported from 166 Cities Lead Conviction That Construction Is Getting Under Way—110 Per Cent Gain Over May, 1918—Big Gains Over Previous Months of This Year—Compared with Average for Past Five Years Normality Is Shown—Average Value of Permit Shows More Work on Large Projects.

Statistics of Building Permits for the month of May from 166 cities officially reported to the American Contractor indicate clearly that a "go-ahead" policy for construction is under way. Only 28 cities out of the 166 show a loss compared to last year's statistics, and the total of \$106,154,226 for May of this year is a 110 per cent gain over the total of \$50,071,703 for the same cities during the corresponding period of last year.\* This is encouraging when compared to the record for previous months of this year, as the following table shows:

No.	May	1919 value	1918 value
Jan.	152	\$23,869,215	\$7,291,218
Feb.	153	32,058,628	21,680,314
March	199	64,884,325	36,529,620
April	165	84,914,008	44,516,828
May	166	106,154,226	50,071,703

\$311,838,153 \$180,089,683  
In comparison to 1918 figures for the corresponding month, January, 1919, showed a loss of 12 per cent; February a gain of 48 per cent; March a gain of 77 per cent, and April a gain of 91 per cent.

These totals give a gain of 73 per cent for the first five months of 1919 over 1918.

## Normality Shown by Comparison with Previous Years.

Comparison of May, 1919 figures with previous May figures is shown in the following tabulation:

No.	Estimated value
1919	166 \$106,154,226
1918	164 49,763,085
1917	117 75,168,153
1916	112 113,904,515
1915	112 86,469,129
1914	71 72,057,666

By reducing these figures to the number of permits per year per city for the month of May the average value of May permits per city for May, 1919, is \$643.111. Bearing in mind that the larger the number of cities the more small cities are included makes these figures look very favorable for the past month's activity. The conclusion may be drawn that normality is shown by the comparison, but it must be noted that the purchasing power of the 1919 dollar is much less than that of some of the included previous years.

May, 1919	May, 1918
Akron	\$ 2,926,090 \$ 530,235
Alameda	62,214 82,748
Albany	158,730 96,590
Allentown	174,650 73,300
Altoona	156,018 41,423
Atlanta	1,171,578 458,423
Atlantic City	66,818 90,890

Auburn	46,610	16,429	New Britain	133,915	48,782
Augusta	203,289	91,104	New Haven	575,554	255,199
Baltimore	2,680,637	297,208	New Orleans	652,009	137,649
Bay City	84,500		New York City:		
Bayonne	99,685	75,955	Queens	5,857,940	1,730,172
Berkeley	168,575	54,500	Bronx	2,183,088	598,335
Binghamton	131,376	45,183	Manhattan	4,983,126	1,995,473
Birmingham	226,821	93,959	Brooklyn	6,865,548	2,787,043
Boise	45,887	5,839	Richmond	358,123	149,469
Boston	2,178,093	910,598	Norfolk	999,277	273,530
Bridgeport	428,068	780,003	Onkand	551,392	377,942
Brooklyn	109,610	21,620	Okla. City	746,112	371,095
Buffalo	1,041,000	815,000	Omaha	1,042,220	504,205
Butte	75,000		Pasadena	120,486	87,251
Cambridge	265,395	146,741	Passaic	206,300	75,125
Camden	426,624	66,971	Paterson	352,690	230,870
Canton	577,021	332,725	Peoria	128,516	122,628
Cedar Rapids	147,000	28,000	Philadelphia	5,960,104	1,672,050
Charleston	57,950	20,170	Phoenix	292,295	47,252
Charlotte	113,000	221,000	Pittsburg	1,426,214	582,950
Chattanooga	134,986	29,695	Portland, Me.	52,506	89,727
Chelsea	27,460	37,425	Portland, Ore.	813,545	2,310,590
Chicago	7,190,200	3,752,500	Pueblo	91,521	27,675
Cincinnati	1,539,855	800,185	Quincy, Ill.	15,000	59,500
Cleveland	3,378,375	1,456,760	Quincy, Mass.	110,300	143,693
Colo. Springs	32,373	13,888	Reading	82,550	96,475
Columbus	509,375	240,275	Richmond	815,910	93,155
Covington	64,170	30,750	Roanoke	142,640	53,325
Dallas	556,545	91,270	Rochester	722,878	177,730
Davenport	292,760	262,906	Sacramento	99,675	56,647
Dayton	992,040	329,961	Saginaw	167,157	22,165
Decatur	745,750	121,005	Salem	38,170	46,969
Denver	928,180	541,900	Salt Lake City	35,925	420,850
Des Moines	243,900	461,550	San Antonio	235,658	773,880
Dubuque	100,164	37,390	San Diego	1,045,015	74,239
Duluth	455,165	340,970	San Francisco	1,322,862	903,654
East Orange	610,120	17,542	San Jose	52,205	20,507
East St. Louis	71,710	124,792	Savannah	81,950	15,925
Elizabeth	204,068	627,683	Schenectady	170,820	153,194
El Paso	159,080	73,500	Scheraton	66,575	61,245
Erie	270,455	192,048	Seattle	1,407,080	763,760
Evansville	46,275	29,233	Shreveport	192,982	87,190
Fall River	133,825	94,611	Sioux City	441,900	415,360
Fitchburg	52,240	52,447	Somerville	64,010	66,075
Fort Wayne	271,478	74,650	South Bend	1,127,715	75,095
Fort Worth	486,885	605,979	Spokane	107,707	54,985
Fresno	259,670	217,490	Springfield, Ill.	105,748	80,500
Grand Rapids	328,624	92,712	Springfield, Mo	41,825	6,425
Hamilton	96,976	133,467	Springfield, Ms	521,056	172,760
Harrisburg	173,275	29,250	Springfield, O.	119,775	12,495
Hartford	583,548	473,841	St. Joseph	77,690	34,900
Haverhill	267,350		St. Louis	1,224,325	792,971
Hoboken	153,495	75,020	St. Paul	1,713,234	1,280,397
Holyoke	60,225	15,975	Stockton	174,710	280,897
Houston	571,047	182,587	Superior	83,980	149,900
Huntington	174,695	45,080	Syracuse	613,554	313,105
Indianapolis	1,156,091	315,522	Tacoma	280,415	458,819
Jackson	260,824	32,498	Tampa	85,705	50,015
Jacksonville	158,840	43,510	Terre Haute	53,838	45,978
Jersey City	407,748	504,244	Toledo	729,875	454,517
Kansas City	107,180	65,450	Topeka	91,112	23,000
Kansas City, Mo	883,665	589,900	Trenton	279,964	58,129
Knoxville	363,749	356,662	Troy	45,598	43,250
Lancaster	117,760	55,530	Tulsa	663,735	
Lansing	426,030	29,850	Utica	303,950	97,830
Lawrence	85,620	27,655	Washington	1,648,609	770,097
Lexington	146,265	23,535	W. Hoboken	17,555	12,360
Lincoln	221,330	91,811	Wheeling	91,698	42,953
Little Rock	189,714	72,137	Wichita	274,780	508,346
Long Beach	711,895	327,622	Wilkes-Barre	81,199	57,869
Los Angeles	2,078,295	1,305,846	Wilmington	143,806	340,030
Louisville	402,545	416,719	Woonsocket	336,905	153,143
Lowell	156,680	53,226	Worcester	732,005	164,058
Lynn	76,950	9,120	Yonkers	140,400	199,100
Manchester	112,658	40,486	York	33,420	14,180
McKeesport	44,345		Youngstown	368,698	769,580
Medford	113,495	18,525	Zanesville	215,915	8,010
Memphis	768,950	245,465			
Miami	561,900	202,850			
Milwaukee	2,024,640	552,934			
Minneapolis	1,370,750	630,155			
Montgomery	35,793	31,647			
Mr. Vernon	548,720	25,235			
Muskegon	74,020	9,915			
Nashville	175,052				
Newark	1,327,717	677,828			
New Bedford	359,300	81,050			

Total \$106,154,226 \$50,071,703

## CABINET MAKERS.

Hunter, R. J. expert cabinet maker,  
2156 Telegraph Ave., dealer in ma-  
hogany, antique and all kinds of  
furniture; repairs and polishing;  
Telephone Oakland 2735.

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron

# work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

### JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

### Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock Doors, Sash Frames and Mouldings.

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

### FRED H. BOGGS

### INSURANCE

734-744 Bush St.

Member

SAN FRANCISCO

Insurance Brokers Exchange

### HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BIRCH  
AROMATIC RED CEDAR  
COTTONWOOD-LONGLEAF  
SOUTHERN PINE-DOUG  
HICKORY-MAHOGANY  
OREGON-PALE PINE  
SEABORDED PINE  
WYOMING-SPRING OAK  
POPLAR-WALNUT



BOROUGH-ELDER-IRONBARK  
JANISBERG-ADA-SPANISH CEDAR  
CHERRY-LT. HAWGANY  
ROSEWOOD-TEAK-RED BEAN  
SPOTTED GUM-CROCODIAN WALNUT  
PUMPER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
DOWELS-TREENAILS-VEEERS

### WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

### PIERCE-BOSQUIT

### Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET

# Building & Engineering News

Public Library  
Hayes & Franklin

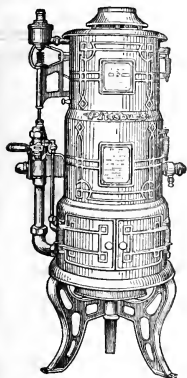
10 Cents Per Copy  
\$1.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., July 23, 1919

Published Every Wednesday  
Nineteenth Year, No. 30



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water  
Heater.

Capacity three gallons  
per minute.

Just the size to fit the  
average two-story home  
or nice Bungalow.

A "Pittsburg" Automatic Gas  
Water Heater installed in the  
home indicates high quality  
throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

**The Most Powerful Made  
Safe and Economical**

Manufactured on a solid base and do not  
contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

**California Trojan Powder Company**

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

## The Technical Engineers' Service Organization.

### Officers.

President—Dr. F. H. Newell, University of Illinois, Urbana, Ill.

First Vice-President—W. W. DeBard, Western Editor, Engineering News-Record, Chicago.

Second Vice-President—T. A. Evans, Structural Engineer, Meade-Morrison Co., Chicago.

Treasurer—John Ericson, City Engineer, Chicago.

Secretary—C. E. Drayer.

W. W. K. Sparrow, Chief Engineer, C. M. & St. P. Ry., Chicago.

P. E. Harroun, Consulting Engineer, San Francisco, Calif.

R. Burnham, Consulting Engineer, Chicago, Ill.

F. D. Richards, Bridge Engineer, City of Cleveland.

A. A. Matthews, Chief Engineer, St. L. S. W. R. R., Tyler, Texas;

E. F. Collins, Valuation Engineer, St. L.-S. F. Ry., St. Louis.

C. H. Crawford, Baldwin Locomotive Works, Philadelphia.

W. H. Finley, President, C. & N. W. Ry., Chicago.

Harold Almert, Consulting Engineer, Chicago.

F. K. Bennett, Principia Assistant Engineer, M. & St. L. Ry., Minneapolis.

J. H. Prior, Consulting Engineer, Chicago;

Alexander Potter, Civil Engineer, New York City.

J. N. Hatch, Consulting Engineer, Chicago.

## NATIONAL HEADQUARTERS

29 S. La Salle St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal..... PRESIDENT

A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal..... SECRETARY

O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal..... TREASURER

L. D. HOWLAND, Engineer, C. C. Moore Co..... FIRST VICE-PRESIDENT

J. F. JOHNSTON, Engineer, Union Construction Co..... SECOND VICE-PRESIDENT

I. G. GRUNDEL, Engineer Union Oil Co. .... THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles ..... W. P. R. R.

L. D. Howland ..... C. C. Moore Co.

J. F. Johnston ..... Union Const. Co.

I. G. Grundel ..... Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown ..... S. P. R. R.

E. B. Crane ..... C. M. & P. S. Ry.

P. J. Rowell ..... I. C. C.

### PUBLICITY COMMITTEE

E. D. Brown ..... Redwood Mfgs Co.

G. M. Nelson ..... Consulting Engineer

### QUALIFICATION COMMITTEE

W. H. Phelps ..... S. P. Co.

O. R. West ..... A. T. & S. F. R. R.

### MEMBERSHIP COMMITTEE

D. L. Reynolds ..... Pac. Fruit Exp.

W. H. Rupp ..... S. P. R. R.

E. D. Brown ..... Redwood Mfg. Co.

H. I. Benjamin ..... S. P. R. R.

H. W. Shrieber ..... Union Const. Co.

J. E. Norton ..... I. C. C.

### POLITICAL COMMITTEE

E. H. Herbert ..... Oliver Mfg. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp ..... S. P. R. R.

*San Francisco Chapter Office, 700 Marston Bldg.*

A. G. Mott, Secretary

244 Kearny St., S. F.

# Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$4.00 per year

San Francisco, Cal., July 23, 1919

Nineteenth Year, No. 30



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,  
Publisher and Proprietor.

Subscription Rates—One Year, \$3.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE  
500 Mission Street.  
Telephone—Douglas 2372.

## ARTISTIC INTERIOR DECORATING COMPLETED.

An exceptionally well executed and artistic piece of interior decorating and design, the work of Mr. A. Von Wronski, has just been completed at the residence of Mr. and Mrs. A. Brune at 2474 Sutter Street.

While the entire house has a carefully studied decorative plan, the walls of the main rooms being covered with expensive papers, the main feature of the decorative work is the walls and ceiling of the entrance hall. The theme is an admirable adaptation of the magnificent dining room of the New York State Building at the Panama-Pacific Exposition. The ceiling is treated as a sky effect while the walls are frescoed in delicate shades in an arbor scheme, being carefully worked out in oil.

All wood work throughout the residence is grained.

The entrance hall with its pleasing decorative features can easily be seen and is attracting much attention from interested people.

## STATE ENGINEER TO REPORT ON BUTTE ROAD WORK.

OROVILLE, Butte Co., Cal.—The State Engineer will be in Oroville shortly to investigate the Oroville-Wyandotte and the Honcut Irrigation projects preparatory to filing his report with the Board of Supervisors.

As soon as the report of the State Engineer is made to the Supervisors a meeting will be called to proceed with the further work of calling an election for the organization of the proposed districts.

## HARBOR IMPROVEMENT BONDS SOLD.

SANTA ANA, Orange Co., Cal.—The \$500,000 bonds of Orange County voted for the improvement of Newport harbor were sold to McDonnell & Co. of San Francisco, at a premium of \$11,887. The harbor commission will push the proposed work. Construction of a new channel diverting the Santa Ana river directly to the ocean, to prevent silt being deposited in the harbor, will be the first undertaking. The Commission consists of Linn L. Shaw, Santa Ana; K. E. Watson, Orange; J. W. Duckworth, Anaheim; J. A. Armitage, Sunset Beach, and Lew H. Wallace, Newport Beach.

## PEARL HARBOR HOSPITAL BIDS OPENED.

WASHINGTON, D. C.—The following bids were received on June 28 at the Bureau of Yards and Docks, Navy Department, Specification 3931, for constructing hospital buildings at Pearl Harbor, H. T.

Hawaiian Dredging Co., Honolulu, H. T., item 1, \$379,745, 270 days; (2) \$328,808, 270 days; (3) \$50,937, 210 days; (4) \$28,128, 30 days; (5) add \$2,000.

C. L. Wold Co., 75 Sutter St., San Francisco, Calif., item 1, \$385,400, 270 days; (2) \$295,000, 270 days; (3) \$60,074, 270 days; (4) \$30,326; (5) \$1,250. Hannah Bros., 142 Sansome St., San Francisco, Calif., item 1, \$391,315, 310 days; (2) \$299,400, 300 days; (3) \$64,330, 300 days; (4) \$32,330; (5) \$1,365.

## TO BUILD PACKING PLANT BY DAYS LABOR.

PHOENIX, Ariz.—John Sparks of Bisbee, will superintend the construction by day work of the large plant to be built on the Tempe road near Phoenix for the Arizona Packing Co. Excavating and work on the preliminary buildings were started at once. The Chicago Packing House Architectural & Engineering Co., of

Chicago, is preparing the plans for the buildings. It is said the plant will cost \$500,000.

## ROAD CHANGE AND FENCE BIDS WANTED.

YREKA, Siskiyou Co., Cal.—At the last meeting of the County Supervisors plans and specifications for a change in Selad road, and for fencing same, were adopted, and the County Clerk instructed to call bids for the work, same to close August 4th, 10 A. M.

## MOTOR AND PUMP AND SCHOOL HEATING SYSTEM BIDS WANTED

HANFORD, Kings Co., Cal.—Bids will be received by the Trustees of the Kings River School District up to August 7th, 2 P. M., for the installation of a 1-h. p. motor and a 1-inch pump for connecting with the present water system of the Kings River school house as per plans and specifications on file in the office of the Superintendent of Schools of Kings County. Separate sealed bids will also be received for the installation of a modern heating system in said Kings River school house, said system to be other than a store or furnace.

## REINFORCED CONCRETE BRIDGE FLOOR BIDS WANTED.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the County Supervisors, Eugene D. Graham, County Clerk, up to August 5th, 10 A. M., for furnishing all material, labor, tools, and machinery and constructing a reinforced concrete bridge floor on a bridge over Duck Creek on the Stockton and Mokelumne Hill Road in Section 33, Township 3 North, Range 9 East, Mount Diablo Base and Meridian, about one and three-fourths miles northeast from Bellota, in accordance with the specifications prepared by County Surveyor F. E. Quail.

## CONCRETE ROAD BIDS WANTED.

EUREKA, Humboldt Co., Cal.—Bids will be received by the County Supervisors, Fred M. Kay, County Clerk, up to July 24th, 10:30 A. M., for concreting the County road between Ferndale and Fern bridge, a distance of about 3 miles in Road District No. 1.

# American Association of Engineers

## OBJECTS AND SCOPE OF THE ASSOCIATION.

The American Association of Engineers was founded in 1915 to concentrate on the human side of engineering—the things which affect the engineer as a man and citizen as well as an engineer. It embraces civil, mechanical, electrical, mining, chemical engineers and all other technical men, for in this respect their interests are the same.

The objects of the Association are to raise the standards of ethics of the engineering profession, and to promote the economic and social welfare of engineers, especially by:

Affording means for the interchange of information beneficial to members of the engineering profession; maintaining a service clearing house for the benefit of the members; supervising proposed legislation affecting the engineering profession, and taking any action necessary or advisable to safeguard the profession's welfare; promulgating the Association's ideas through proper publicity, and fostering a brotherly spirit among engineers.

It goes into employment because this is the foundation of success of the individual. Other societies have neglected this fundamental point or at least have given it merely perfunctory attention. The Association believes in doing what other professional and business organizations are not doing for the advancement and protection of the highly trained man, to prevent the undermining of his work and influence by the unskilled or incompetent.

It goes into publicity, advertising, not for the benefit of the individual, but of all engineers, because it believes that engineers, as a whole, will be benefited if the public knows about the work already performed by the engineer and what can be gained in greater health, comfort and prosperity through his aid.

It goes into politics, not the partisan kind, but into the science or practice of the original meaning of the word, that of helping to direct affairs of public policy for the greatest good to the greatest number. It believes that the duty of all intelligent educated men or engineers, educated largely at public expense, should be to devote a part of their time individually and collectively to the affairs of the community, especially those which

touch upon the practice of engineering. Ours is a political government and every citizen is vitally interested in politics, and every engineer who does not take an intelligent interest in public questions and identify himself with the cause that appeals to his reason and sense of right fails in duty to himself, to his community, and to his country. Engineers have fallen far short of their duties and privileges in this respect. They have considered politics as debasing to their organizations. There is corrupt politics, but this is so because the men who should have kept it righteous have stood aside. It is our duty to come to the front in this public service.

Why have engineers done so little in this direction? It is because the older societies established precedents which have hampered their participation in public affairs. They were early impressed with the danger of being considered unprofessional or of falling into the category of commercialism. They have succeeded in advancing technical knowledge, but failed in advancing the professional status of the engineer. Their aggregate man-power is not efficiently organized for public service.

The American Association of Engineers places no other limits on its activity in public affairs than those imposed by strict adherence to a correct ethical standard.

## SAN FRANCISCO CHAPTER MEETINGS.

It will not be long before we shall have two lines of activity for the Chapter which will call for two meetings a month, one, a social meeting, with the tables spread, invitations issued, speakers booked and a general live, peppy program arranged by our able program committee; another, the regular dry business meeting, on the first Tuesday in the month, where all the weighty affairs of state will be brought out and discussed. These business meetings should open at exactly the time set with a roll call and the doors closed, a fine of fifty cents entered on the books against any one absent who had not sent a proper business excuse as excuse for not being present. All voting on important matters should be by roll call. All committees should be required to be present and give an account of what

they had accomplished in the tasks entrusted to their care. If a committee had a final report to make a discussion of the findings of the committee could be started while the whole matter was still fresh in the minds of the men. After the committee reports the communications, both written and verbal, would claim the attention of the meeting; then unfinished business from previous meetings and new business could be taken up and disposed of. By following a certain routine at every business meeting, insisting on reports from the appointed committees and making the committees do the work they were appointed to do, we will make progress in the task we have set ourselves in joining the A. A. E., and forming the S. F. Chapter. I do not expect everybody to agree with me but let's hear from the other fellow. These pages are open to discussion of this kind.

G. M. N.

## THE ENGINEER AND THE PUBLIC.

### Engineering Leadership.

"Engineers are steadily moving into the forefront of the professions. This enviable position was once held by the clergy, then by the law, and then by medicine. Engineers now are having their turn—or soon will be having it. It is a responsible place in society. To lead, to guide—that is it. Therefore, bearing this tremendous responsibility, engineers should live cheek to jowl and elbow to elbow with society. Engineers should understand humanity—its foibles, its weaknesses, its governing sciences. Men in the profession should know something besides laws which have nothing to do with society as such. Mathematicians never bred cats, for instance—though mathematics might at times be strained to keep count of the kittens; nor has chemistry or physics ever accounted for John's red hair, when John's father and mother both have raven locks.

"Something is wrong with the profession—has been wrong from the first. Engineering courses are not quite what they should be—not quite complete. If they were engineers would be different. They would think in channels somewhat broader than they do; they would see with clearer and more generous vision—if, having once moved into the forefront, as they will, they would remain there—would

MEMBERSHIP TABLE FOR 1919

GRADE	Dec. 31, '18	January	February	March	April	May
Certified Members	1890	217	222	298	417	361
Junior Members	300	30	40	43	42	56
Cand. Jr. Members						9
Student Members	153	10	23	18	24	37
Associate Members	42	3	5	2	8	7
<b>TOTAL</b>	<b>2385</b>	<b>259</b>	<b>290</b>	<b>361</b>	<b>491</b>	<b>470</b>
<b>GRAND TOTAL</b>		<b>2644</b>	<b>2934</b>	<b>3295</b>	<b>3786</b>	<b>4256</b>
Applications		427	400	560	973	1330

not go back as the clergy has gone back, as the law has gone back, as medicine is going back. Once to the front, engineers could stay there. They could stay there if only they would profit by the mistakes of their brethren in the older professions, and study the New Management. Which means that engineers have got to forget some things and learn some other things. Forgetting, and learning, they will have attained to mastery over the world.

"The human element, after all, despite mechanical perfection, despite the laws governing the sum of two figures, is the vital element, the element that makes or breaks—the one science above all sciences deserving of consideration and study on the part of the engineering fraternity.

"Engineers as a race have not studied it. They have considered it, of course, as in the designing of apparatus; but this consideration for the most part may be summed up and dismissed—as it is summed up and dismissed in all drawing-rooms—in a single compound word, 'fool-proof.' Making a thing fool-proof, and the engineer, as he sees it, has done his bit. In this direction a few engineers have done a great big bit—automatic machinery in some fields creates wonder and amazement in the onlooker. But these instances have been rare—few and far between—and the work of a very small group of engineering minds. And while the word 'fool-proof'—itself symbolic of the mental attitude of the engineering world toward humanity at large—is a word well understood in engineering circles, yet the human element as a factor in the operation of machinery is not taken into consideration as much as it could be, should be, and will be, in time."

"Out of all this emerges a broad general conviction. It is that the engineering mind, taken collectively, is a narrow mind. It is a narrow mind—and, personally, I believe it is—it is so by reason of the specialized intensive training given engineers in preparation to pursue their profession. Of all the students in any university, 'engineers' are seen least on the campus, least in the gymnasium, least on the track and field. They haven't the time. It would be better for the profession if this were otherwise. Campus and gymnasium are places where the human side is brought out, and it is the human side that is lacking in development of the average engineer. Anything that would tend to develop this in the man would likewise tend to develop it in his profession. Recognition and knowledge of the foibles of humanity would broaden and soften. Thus he could not but exercise the fundamental laws surrounding the New Management to the betterment and advancement of the profession as a whole."—C. M. Horton in *Industrial Management*.

## FILING AND KEEPING ENGINEERING DATA.

Do you ever find need for data? Would a handbook—either for your personal use or for the use of the men over whom you have charge be of

value if it could contain only that data which you desire, a few blank sheets for memoranda—and nothing more? A note book complete in every detail you require and yet of pocketable size? One which from day to day you could change to fit your needs for that day? Then do as the Coast Artillery Corps did: call on Lefax.

As publishers they found themselves poorly equipped to furnish food, clothing, ordnance or ammunition to aid in winning the war. But their opportunity came when from Ft. Monroe came the call for data in compact, usable form from which to compute firing data. Most of that which was needed was found already available, from log, and trig. tables to Polaris and Solaris orientation table. The few extra sheets needed were added in the form of the Heavy (Coast) Artilleryman's Field Pocket-book Lefax took its place behind the Big Guns in France.

I have myself found this system (Lefax) extremely useful, both in compiling purely technical data and also in keeping a personal set of notes and data on any inquiry received at my office, and investigation made whether same lead to a construction job or not.

G. M. N.

## A WORD FROM THOMAS A. EDISON

The world will not go right continuously till the man on the street in every nation achieves a sense of personal responsibility with regard to the affairs of government. Not only must the higher officials, entrusted with the management of things in whatever way may be the custom of each country, be honest, high-minded and progressive, but they must watch continually and show real forethought. \* \* \*

After all, imagination may be regarded as a prime necessity in government as it is in literature, oil production, invention—everything. That which we designate imagination is really one of the rarest qualities of the brain. It is not as common as people generally suppose; in fact, it is not as highly developed in the higher leaders of nations as in the great industrialists and men of business in America. It was plain to many of the latter and to some of the popular leaders with imagination, what would be the result on America should Germany crush France and gain the Channel ports. Had action been taken or even had plans for action been made upon the opening of the war, we know that it would have shortened the war and saved countless lives.

From now on the world will demand better government and especially government more mentally acute. Democracy is easnrid prandf f-sl Democracy is spreading and the greatest danger lying in democracy is its tendency toward the establishment of huge, inefficient bureaucracy.

That is what we all must struggle to avoid. We must try to de bureaucratize democracy. But even if we do not, democracy still will be better than autocracy, no matter how that might be modified, for, though inefficient, democracy will leave the people

free if they do not sleep on their rights.

But there are possibilities of efficiency in democracy which never have been realized. The reason for this is that as long as people remain free and know they have the power of change, they don't mind inefficiencies. Efficiency would astonish them. The former is an attitude of mind out of which we must educate ourselves.

What we need in order to advance America and to increase the wealth and happiness of the American people is to give the business men and industrial master builder a free hand, with just enough bureaucracy to control them by practical laws that will make them sail as close to the Golden Rule as is practicable.

I cannot see that governments are improving their capacity to manage the affairs of the people. They are not advancing like industry. Industry, if freed from the irritating meddling of stupid bureaucracy, will advance with great strides. In the last six years we have made more advances in production by automatic machinery than in the previous twenty years. Imaginative men in all parts of the world are working with ceaseless energy to bring what now are called luxuries within the reach of the man with the hoe—who soon won't have to use a hoe. If this is not interfered with, the present standard of wages can be kept up, in fact can be advanced. Automatic machinery means high wages. No machinery, as in China, means low wages. Automatic machinery does not throw men out of work, as it appears to at first sight.

Automatic machinery cheapens things so that many can buy. If the machinery now is made still more intricate and produces with greater speed, and still further cheapens, there will be an enormous increase in buyers, and so on.

Henry Ford made and sold before the war 60,000 cars per month, and sold them for \$350 each, employing 25,000 men. If more automobile machinery were to be introduced in Ford's shops and all the shops from which Ford buys his material, he probably could sell his car for \$175. This price would bring it within the means of several times more people, and Ford and all the shops would have to employ more men. \* \* \*  
—San Francisco Chronicle.

## Join the A. E. E.—Because:

There is no other engineering association like it.

It fulfills the greatest need of the individual engineer and of the engineering profession.

It is an economic force that will give you recognition for your valuable services.

It will raise your standard of thinking and acting.

It will safeguard your community against wasteful administration of public funds through helping to put engineers in engineering public offices.

It is patriotic to the core.

It stands for idealism, yet for aggressive action.

# ADVANCE NEWS

## Official Proposals, Etc.

Plans Approved by City Council.

WAREHOUSE Cost, \$—  
OAKLAND. Foot of 7th Street.

One-story reinforced concrete warehouse.

Owner—Parr—McCormick Terminal Company.

Engineer—W. N. Ball, Foot of 7th St., Oakland.

Contract Awarded.

AUTO SADES ROOM Cost, \$91,000  
SEATTLE, Wash. NW 12th Avenue and Pine Street.

Three-story and basement brick auto sales rooms, offices and garage quarters, 120x121.

Owner—Chanslor & Lyons Co.

Engineer—H. Bittman, Securities Bldg., Seattle.

Contractor—H. D. Stewart, American Bank Bldg., Seattle.

Plans Being Figured.

RESIDENCE Cost, \$3,500  
CORINTHIAN ISLAND, Marin Co., Cal. S side Bellview Avenue.

One-story and basement frame residence (5 rooms).

Owner—Withheld.

Architect—J. E. Krafft & Son, Phelan Bldg., San Francisco.

Plans Being Prepared.

SCHOOL Cost, \$—  
MT. ANGEL, Oregon.

One-story brick school building, 198 x166, 16 class rooms & auditorium

Owner—Mt. Angel School District.

Architect—Edw. A. Miller, 513 Henry Bldg., Portland, Ore.

Plans Being Prepared.

GARAGE Cost, \$—  
BAKERSFIELD, Kern Co., Cal. 22nd Street and Chester Avenue.

Brick garage.

Owner—Mrs. Lena Meditz.

Lessee—Kern County Motor Co.

Architect—Thos. B. Wiseman, Bakersfield, Cal.

Plans Being Figured. Bids Close

Aug. 7, 1919, 10 A. M.

LIBRARY

DELANO, Kern Co., Cal.  
Onestory hollow tile library.

Owner—Kern County.

Architect—Thos. Wiseman, Bakersfield, Cal.

Certified check for 10% required. F. E. Smith, Clerk.

Contract Awarded.

STORE BLDG., ETC. Cost, \$30,000  
FRESNO, Fresno Co., Cal. Van Ness

Avenue adjoining Liberty Theatre  
One-story fireproof restaurant and store building (south section 37½ x150; north section 37½x150).

Owner—Rasmussen & Jovanovich.  
Architect & Contractor—R. F. Felchlin, Rowell Bldg., Fresno.

Concrete and Carpenter Work Let.  
Other Contracts to be Let Shortly  
SCHOOL Cost, \$—

SAN FRANCISCO. Fourteenth Ave. and Irving Street.

Two-story reinforced concrete school (13 class rooms).

Owner—Roman Catholic Archbishop of San Francisco. St. Ann's Parish  
Architects—W. D. Shea and H. A. Minton, 244 Kearny St., San Francisco.

Carpenter and concrete work awarded to J. J. Leonard, 180 Jessie St., at \$47,825.

Plans Being Prepared.

HOTEL Cost, \$250,000  
VALLEJO, Solano Co., Cal. Virginia and Sonoma Streets.

Six-story reinforced concrete hotel 140 rooms.

Owner—Hotel Admiral Co., Inc., H. E. Weston, Manager, 808 Mechanics Inst. Bldg., San Francisco.

Architect & Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco

Contracts Awarded.

ALTERATIONS Cost, \$30,000  
SAN FRANCISCO. Powell and O'Farrell Streets (Manx Hotel Bldg.).

Alter change store and tea room (store fronts, fixtures, etc.)

Owner—Townsend's Candy Co., Grant Ave., San Francisco.

Architect—Alfred Kuhn, 833 Market St., San Francisco.

Carpenter work awarded to W. D. Henderson.

Wood work to Mullin Mfg. Co.

Plastering to McGruer & Simpson.

Marble to Musto Sons—Keenan Co.

Plumbing and heating, etc., to R. Dalziel, Jr.

Plans Being Figured.

SCHOOL Cost, \$12,000  
GRAFTON, Yolo Co., Cal. Knights School District.

One-story hollow tile school (2 rooms)

Owner—Knights School District.

Architect—Chester Cole, Chico. (28253) 1st report June 24, 1919.

Plans Complete.

WHOLESALE BLDG. Cost, \$—  
HONOLULU.

Five-story reinforced concrete and hollow tile wholesale building.

Owner—Mr. Davies, Honolulu.

Architect—Louis Mullgardt, Chronicle Bldg., San Francisco.

Mr. Mullgardt left last week for Honolulu to have plans approved by the owner.

Plans Prepared.

GARAGE Cost, \$34,000  
SAN FRANCISCO. 50 Vara District.

One-story and basement reinforced concrete garage, 65x120.

Owner—O. H. Curtiz.

Architect—Wm. Helbing, 517 Hayes St., San Francisco.

Contract Awarded.

DWELLINGS Cost, \$4,000 each  
SAN FRANCISCO. San Jose Avenue near Santa Ynez.

Five two-story frame dwellings.

Owner—Mission Terrace Co.  
Architect—H. C. Bauman, 251 Kearny St., San Francisco.

Contractor—Olof Olson, 68 Santa Ynez Ave., San Francisco.

Plans to be Prepared. Deal for Site Not Yet Closed.

WAREHOUSE Cost, \$125,000  
SACRAMENTO, Cal. 21st and "R" Streets.

Six-story reinforced concrete warehouse, 80x320.

Owner—Fred Warren, Wm. Hicks and W. E. Burgess (Capital Van & Storage Co.), 805 "L" St., Sacramento.

Architect—Not Yet Selected.

Site Purchased. Plans to be Prepared  
THEATRE Cost, \$40,000

NAPA, Napa Co., Cal. First and Franklin Streets.

Reinforced concrete theatre building (seating capacity of 1500).

Owner—R. B. Blumenfeld, Napa, Cal.

Architect—Not Given.

Plans Being Prepared.

ALTERATIONS Cost, \$—  
REDWOOD CITY, San Mateo Co., Cal.



Alter and add to one and two-story frame factory.

Owner—Pacific Silicate Co., Redwood City, Cal.

Architect—Not Given.

#### To Erect Manufacturing Plant.

FRESNO, Fresno Co., Cal.—C. F. Buckland of the Flower Manufacturing Company, announces a plant will be built in Fresno to manufacture the Motor-meter lock, an invention of W. A. Flower of Fresno. An initial order amounts to \$64,000.

Commissioned to Prepare Plans.

SCHOOL Cost, \$—

CHICO, Butte Co., Cal.

High School Building.

Owner—Chico High School District.

Architects—Woollett & Lamb, Physicians' Bldg., Sacramento.

(28329) 1st report June 27, 1919.

To Be Done by Days Work.

APARTMENTS Cost, \$30,000

FRESNO, Fresno Co., Cal.

Frame apartment house

Owner & Architect—R. F. Felchin Co., Rowell Bldg., Fresno.

Completing Plans. Segregated Figures to be Taken.

OFFICES, ETC. Cost, \$400,000

FRESNO, Fresno Co., Cal. "J" and

Fresno Streets.

Twelve-story reinforced concrete office and store building, 50x150; 225 offices.

Owner—A. Mattel.

Architect—Eugene Mathewson, Cory Bldg., Fresno.

Engineer—J. H. Brunner, Sharon Bldg., San Francisco.

Preliminary Plans Prepared.

LODGE BLDG. Cost, \$—

MODESTO, Stanislaus Co., Cal. "I"

and Eleventh Streets.

Five-story Class "A" lodge and store building.

Owner—Moose Lodge of Modesto.

Architect—John J. Donovan, Perry Bldg., Oakland.

Contract Awarded.

THEATRE Cost, \$150,000

WENATCHEE, Wash. Mission and

Palouse Streets.

Brick theatre building, 125x120.

Owner—Liberty Theatres Co., Wenatchee, Wash.

Architect—E. W. Houghton, Lumber Exchange Bldg., Seattle.

Contractor—Dow & Ryden, Peoples Bank Bldg., Seattle.

Steel Contract Awarded.

ADDITION

Total cost of building, \$600,000

SAN FRANCISCO. Stockton and California Streets.

Furnishing and erecting steel for addition to Class "A" office building  
Owner—Metropolitan Life Insurance Company.

Architect—J. R. Miller, Lick Bldg., San Francisco.

Contractor—U. S. Steel Products Co., Rialto Bldg., San Francisco.

Plans Being Prepared.

APARTMENTS Cost, \$—

SAN FRANCISCO. S Sutter St., bet.

Taylor and Jones Sts, 45-10x137-6

Five-story and basement Class "C" apartment house (80 rooms; 2 and 3 room apts).

Owner—Withheld.

Architect—Rousseau & Rousseau, 110 Sutter St., San Francisco.

Plans Being Figured.

BUNGALOW Cost, \$5,000

FERNWAY FARMS, Contra Costa Co.

One-story frame bungalow.

Owner—G. W. McNear.

Architect—B. G. McDougall, Sheldon Bldg., San Francisco.

Contract Awarded.

HOTEL & STORES Cost, \$40,000

LOVELOCK, Pershing Co., Nevada.

Two-story Class "C" hotel and stores

Owner—Young & Goodin.

Architect—W. O. Lewis, Lovelock, Nev., and Cr. B. G. McDougall, Sheldon Bldg., San Francisco.

Contractor—Jerry Bernasconi, Lovelock, Nevada.

Being Done by Days Work.

ALTERATIONS Cost, \$5,000

SAN FRANCISCO. No. 523 Mission.

Alter store and offices.

Owner—Holabird Elec. Co., Premises

Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

Plans Being Prepared.

AUTO SHOP Cost, \$—

SAN FRANCISCO. S Fell Street bet.

Van Ness Ave. and Franklin St.

One-story reinforced concrete auto shop building.

Owner—Withheld.

Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

Day Work.

ALTERATIONS Cost, \$15,000

LOVELOCK, Pershing Co., Nevada.

Alterations to old Lovelock Hotel.

Owner—Young & Goodin.

Architect—W. O. Lewis, Lovelock, Nevada, and Cr. B. G. McDougall, Sheldon Bldg., San Francisco.

Day's work.

LOFT BUILDING Cost, \$18,000

SAN FRANCISCO. Howard Street bet. First and Second Streets.

Two-story and basement brick or concrete stores and loft building, 73x95

Owner—Bothin Realty Co., Atlas Bldg.

San Francisco.

Architect—J. A. Ettler, 301 Atlas Bldg.

San Francisco.

Preliminary Plans Prepared.

RESIDENCE Cost, \$—

MARTINEZ, Contra Costa Co., Cal.

Mellus and Estudillo Streets.

One-story frame residence.

Owner—Contra Costa Gas Company.

Architect—W. A. Doctor, 314 Main St., Martinez, Cal.

Days Work.

STORES, ETC. Cost about \$4,000

SAN FRANCISCO. Natoma St., bet.

First and Second Streets.

Two-story brick or concrete stores and manufacturing building, 23 x80.

Owner—Bothin Realty Co., Atlas Bldg., San Francisco.

Architect—J. A. Ettler, 301 Atlas Bldg., San Francisco.

Contract Awarded.

GARAGE, ETC. Cost, \$30,000

FRESNO, (Fresno Co., Cal. No. 1445

Van Ness Avenue.

Fireproof garage and salesrooms.

Owner—L. S. Cobb & Co.

Architect & Contractor—R. F. Felchin, Rowell Bldg., Fresno.

Steel Bids Wanted by Architect

OFFICES, ETC. Cost, \$400,000

FRESNO, Fresno Co., Cal. "J" and

Fresno Streets.

Twelve-story reinforced concrete office and store building, 50x150; 225 offices.

Owner—A. Mattel.

Architect—Eugene Mathewson, Cory Bldg., Fresno.

Engineer—J. H. Brunner, Sharon Bldg., San Francisco.

Contract Awarded.

APARTMENTS Cost, \$25,000

VALLEJO, Solano Co., Cal. Louisiana

and Santa Clara Streets.

Two-story and basement frame (4 3-room) apartments, and two-story frame (4 2-room) apartments.

Owner—Carlos Rockwood and Jerome Kelleher, Vallejo.

Architect—Not Given.

Contractor—John Monk, 2056 Vallejo St., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$6,500

PALO ALTO, Santa Clara Co., Cal.

One-story 7-room frame residence.

Owner—Withheld.

Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

Ready For Figures in About 2 Weeks.

APARTMENTS Cost, \$28,000

SAN FRANCISCO. Guerrero St.

Three-story frame apartment house (13 2 and 3 room apts.)

Owner—Withheld.

Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

To be Done by Day's Work.

ALTERATIONS Cost, \$7,000

SAN FRANCISCO. W Buena Vista Avenue S of Haight Street.

Alter three-story frame flat building into 7 2 and 3-room apartments.

Owner—Withheld.

Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

Plans Being Prepared.

GYMNASIUM Cost, \$12,000

TRACY, San Joaquin Co., Cal.

One-story frame gymnasium building

Owner—Tracy High School District.

Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$30,000

HILLSBOROUGH, San Mateo Co., Cal.

Two-story and basement frame residence.

Owner—E. B. Breeden.

Architects—Bakewell & Brown, 251 Kearny St., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$22,000

SAN FRANCISCO. Presidio Terrace.

Two-story and basement frame and plaster residence.

Owner—M. H. Salz, San Mateo.

Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Sub-Figures to be Taken.

OFFICE BUILDING Cost, \$—

SAN FRANCISCO. SE California and Sansome Streets.

Twelve-story Class "A" steel and reinforced concrete office building

Owner—Balfour-Guthrie Co.

Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.

Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

Plans are complete and work will be started immediately. Sub-Figures will be taken in a few days.

Figures Being Taken From a Selected List of General Contractors. Bids Close July 26, 1919.

CREAMERY BLDGS. Cost, \$—

LOS BANOS, Merced Co., Cal.

Group of 3 reinforced concrete and brick creamery buildings (main building 3 stories high, 150x150,

power house and casein building)

Owner—Los Banos Creamery Ass'n.

Lessee—California Central Creamery, Los Banos, Cal.

Designer and Engineer—H. J. Brunnier, Sharon Bldg., San Francisco

Contract to be Awarded.

RESIDENCE Cost, \$25,000

ATHERTON, San Mateo Co., Cal.

Two-story attic and basement hollow tile and frame residence.

Owner—Cutler Bonestell.

Architect—A. D. R. Sullivan, New York.

Local Architect—August G. Headman, New Call Bldg., San Francisco.

Contractor—W. C. Duncan, Sharon Bldg., San Francisco.

Completing Plans. Excavation and Grading Awarded.

AUTO SALES ROOM Cost, \$200,000

SAN FRANCISCO. Van Ness Avenue near Sacramento Street.

Four-story and basement reinforced concrete auto sales building.

Owner—Withheld.

Architect & Contractor—MacDonald & Kahn, Riata Bldg., San Francisco

Excavation and grading awarded to Sibley Grading & Teaming Co., 284

Dolores St. Sub-Figures to be taken in about a week.

Owner to Take Sub-Figures.

FLAT BUILDING Cost, \$12,000

SAN FRANCISCO. Twentieth Avenue and Balboa Street.

Two-story frame and plaster flat building (4 4 and 5-room flats).

Owner—C. Oyen and Mipust, Prem.

Architect—C. O. Clausen, Hearst Bldg. San Francisco.

Plans Being Prepared.

RESIDENCES Cost, \$6,000 to \$9,000

SAN FRANCISCO. St. Francis Wood.

Three two-story frame residences (6 to 8 rooms each and a one-story 5-room bungalow).

Owner—Withheld.

Architect—Henry H. Gutterson, 278 Post St., San Francisco.

Plans Being Prepared.

AUTO SALES ROOM Cost, \$80,000

PORTLAND, Oregon.

Three-story reinforced concrete auto sales rooms.

Owner—Mitchell, Staver & Lewis Co., Portland, Oregon.

Architects—Houghtaling & Dougan, Henry Bldg., Portland, Ore.

Plans Being Prepared. Contract

Awarded on Percentage Basis.

OFFICE BLDG. Cost, \$750,000

TACOMA, Washington.

Twelve-story Class "A" steel frame, with wood trimming interior of

office building, 65x100.

Owner—W. R. Ruts.

Architects—Sutton & Whitney, Portland, Ore., and National Realty Bldg., Tacoma, Wash.

Contractor—J. E. Bonnell.

To Call New Bids For School Buildings. Roofing and Plumbing Contract Awarded.

NORTH SACRAMENTO, Sacramento Co., Cal.—No bids were received by Architect Alexander Willoner,

403 21st St., Sacramento, for the concrete work, mill work and painting

for additions to two North Sacramento schools for which bonds of

\$20,000 were recently voted.

A new call for bids will be issued for this work. The contract for roofing

was awarded to the Capital Roofing Co., 417 31st St., Sacramento, and

the plumbing awarded to A. W. Sweet, North Sacramento.

Contract Awarded.

GARAGE Cost, \$12,500

FRESNO, Fresno Co., Cal. South "J" Street.

One-story brick garage, 50x150.

Owner—Darbinian Bros.

Lessee—Chas. Foreman Sales Co., Agents Briscoe Car.

Architect—Edward T. Foulker, Crocker Bldg., San Francisco.

Contractors—Trehwhitt & Shields, Rowell Bldg., Fresno.

(28382) 1st report June 30, 1919.

Contract Awarded.

ALTERATIONS Cost, \$10,000

SAN FRANCISCO. SW Polk and California Streets.

Alterations to stores in two-story frame building (interior fixtures,

new floors, decorations, etc.)

Owner—Blum's Candy Co., 1465 Polk St., San Francisco.

Architects—Arthur S. Heinemann & Co., Monadnock Bldg., San Francisco

and 831 San Fernando Bldg., Los Angeles.

General Contract awarded to Geo. Wagner, 251 Kearny Street.

Fixtures to S. Kulchar Co., 8th Ave. and E-10th Sts., Oakland.

(28201) 1st report June 20, 1919.

Ready to Take Sub-Figures July 22d.

ALTERATIONS Cost, \$15,000

SAN FRANCISCO. SW First Avenue and California Street.

Alter and add to apartment house.

Owner—Withheld.

Architects—Rousseau & Rousseau,  
110 Sutter St., San Francisco.

#### Preliminary Plans Prepared.

**THEATRE, ETC.** Cost, \$150,000  
**MODESTO,** Stanislaus Co., Cal. W  
Side Tents Street, bet. "J" and  
"K" Streets.

Class "A" theatre and store building  
Owner—A. J. Rich & Co., 58 Sutter  
St., San Francisco, for Ackerman  
& Harris, San Francisco.

**Engineer & Designer**—Palmer & Pet-  
erson, Monadnock Bldg., San  
Francisco.

**Ready to Take Segregated Figures**  
July 2nd.

**APARTMENTS** Cost, \$150,000  
**SAN FRANCISCO.** NE Bush and  
Taylor Sts., 45-10x100 on Taylor.  
Six-story and basement reinforced  
concrete apartment house (2 and  
3 room apts.)

Owner—Arthur Rousseau, 110 Sutter  
St., San Francisco.

#### Contract Awarded For School.

**MARICOPA,** Kern Co., Cal.—Fred  
Gribble, 2530 Chester St., Bakersfield,  
was awarded the contract at \$17,686  
for alterations and additions to the  
school building in the Paeto School  
District.

#### Contract Awarded.

**ADDITION** Cost, \$24,000  
**SACRAMENTO,** Cal. SE 15th and "K"  
Streets.

Add one story to one-story brick and  
concrete auto sales building.

Owner—Wasserman & Gattman.  
Lessee—J. J. Jacobs Co.

Architect—R. A. Herold, Forum Bldg.,  
Sacramento.

Contractor—Wm. Murcell, Ochsner  
Bldg., Sacramento.

#### Plans Being Figured.

**ADDITION** Cost, \$250,000  
**SAN FRANCISCO.** N Bush E of Hyde  
Two six-story Class "A" additions to  
hospital, 35x180x35x80.  
Owner—St. Francis Hospital, Prem.  
Architect—Alfred I. Coffey, Humboldt  
Bank Bldg., San Francisco.

#### Plans Being Prepared.

**CHURCH** Cost, \$60,000  
**MONROVIA,** Cal. NE Myrtle Avenue  
and White Oak Street.

Brick church.

Owner—Monrovia Presbyterian  
Church.

Architect—H. M. Patterson, 324 O. T.  
Johnson Bldg., Los Angeles.

#### Plans to be Prepared.

**MILK PLANT** Cost, \$70,000  
**MODESTO,** Stanislaus Co., Cal. 9th  
"E" and 11th Streets.

Fireproof dry-powdered milk plant.  
Owner—Milk Producers' Ass'n. of  
Central California, Modesto.

Architect—Not Given.

#### Plans Being Prepared.

**THEATRE, ETC.** Cost, \$35,000  
**WHITTIER,** Los Angeles Co., Cal.  
Two-story hollow tile theatre and  
store building, 50x145.

Owner—H. J. Siler, Truman Berry &  
J. H. Gwin.

Architects—A. R. Walker and P. A.  
Eisen, 1402 Hibernian Bldg.,  
Los Angeles.

#### Plans Being Prepared.

**THEATRE, ETC.** Cost, \$30,000  
**OXNARD,** Ventura Co., Cal.  
One-story brick theatre and store and  
apartment building, 100x140 (3  
stores and 8 apts).

Owner—Mrs. Anna Holst.

Architect—H. H. Whiteley, 428 Story  
Bldg., Los Angeles.

#### SCHOOL BONDS.

**COMING,** Tehama Co., Cal. Bonds  
of \$46,000 with which to finance con-  
struction of a new grammar school  
building carried at an election held  
recently.

#### Plans Being Prepared.

**THEATRE** Cost, \$—  
**MONROVIA,** Los Angeles Co., Cal.  
Class "C" motion picture theatre, 88x  
54.

Owner—Mrs. Castle.

Architect—S. M. Cooper, 802 Story  
Bldg., Los Angeles.

#### To be Done by Days Work.

**FRAME FLATS** Cost, \$12,000  
**SAN FRANCISCO.** Filbert Street near  
Polk Street.

Three-story frame flats.

Owner—A. Cook.

Contractor—Walter C. Falch, Hearst  
Bldg., San Francisco.

#### Segregated Figures Being Taken.

**APARTMENTS** Cost, \$52,000  
**SAN FRANCISCO.** S Jackson Street  
W Van Ness Avenue.  
Three-story Class "C" apartment  
house, (12 5-room apts).

Owner—H. W. Burnham.

Architect—A. H. Knoll, Hearst Bldg.,  
San Francisco

**Plans Being Prepared.** Grading Fig-  
ures Being Taken.

**AUTO SALES BLDG.** Cost, \$—  
**SAN FRANCISCO.** NE Post and Hyde  
Streets.

Four-story Class "A" reinforced con-  
crete building. Auto Sales Bldg.

Owner—Withheld.

Architects—Rousseau & Rousseau,  
110 Sutter St., San Francisco.

Plans Being Figured.  
**MACHINE SHOP, ETC.**

Cost, \$100,000

**SAN FRANCISCO.** SE Golden Gate  
Avenue & Franklin Street, 137-6  
x120.

Two-story and basement fireproof  
auto salesrooms & machine shop.

Owner—Withheld.

Architects—Rousseau & Rousseau,  
110 Sutter St., San Francisco.

#### Plans Being Prepared.

**PACKING HOUSE** Cost, \$70,000  
**COVINA,** Los Angeles Co., Cal.  
One-story and basement hollow tile  
packing house, 150x150.

Owner—Covina Citrus Association.

Engineers—W. P. Shepherd and Her-  
bert Hamm, 315 Central Bldg.,  
Pasadena.

#### Preliminary Sketches Prepared.

**BANK, ETC.** Cost, \$45,000  
**TRACY,** San Joaquin Co., Cal. Eighth  
and Central Avenue.

Two-story brick bank, stores and of-  
fices, 125x65.

Owner—Leo Schmidt and G. A. D.  
Buschke, Tracy, Cal.

Architect—W. H. Weeks, 75 Post St.,  
San Francisco.

#### Plans Being Prepared.

**MADERA,** Madera Co., Cal., County  
Hospital.

#### ADMINISTRATION SECTION

Cost, \$100,000.

Two-story fireproof administration  
section with 2 one-story wings for  
wards (granite and concrete with  
tile roof).

Owner—Madera County.

Architect—Eugene Mathewson, Cory  
Bldg., Fresno.

#### Plans Being Figured.

**ALTERATIONS** Cost, \$2500  
**SAN FRANCISCO.** Cayuga Avenue.  
Alter frame residence.  
Owner—J. Lasalle.  
Architect—Albert J. Fabre, Cr. French  
Bank, 110 Sutter St., San Fran-  
cisco.

**Ready for Figures End of This Week**  
**APARTMENTS** Cost, \$75,000

**SAN FRANCISCO.** SW Gough and  
Sacramento Streets.

Four-story and basement brick apart-  
ments (8 apts.)

Owner—Lafayette Invst. Co.

Architect—S. Heiman, 57 Post St.,  
San Francisco.

Bids will be taken for a general  
contract, except steam heating system  
and elevator.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

No.	Owner	Contractor	Amt.
1374	Giacobbi	Lechner	40000
1375	Toy	Wagner	40000
1376	Sharon	Barrett	26500
1377	Ghirardelli	Larsen	25000
1378	Props	Props	22000
1379	Henkel	Henderson	5000
1380	Indoor Yacht	Owner	4000
1381	Garibaldi	Devencenzi	3000
1382	Peters	Peters	3000
1383	Vodden	Vodden	14000
1384	Allison	Johnson	9750
1385	Stratton	Morton	9500
1386	Great Ruby	Owner	9000
1387	Johnson	Johnson	8000
1388	Forset Hill	Fisher	7000
1389	McQuade	Gardner	2800
1390	Umbsen	Swenson	2400
1391	Gerard	Gerard	400
1392	Christ Church	Grace	12275
1393	Same	Cal Elec.	439
1394	Same	Williams	944
1395	Haynes	Stockholm	14505
1396	Booth	Amer	1980
1397	Giacobbi	Wienholz	1273
1397	Hall	Hall	3000
1398	S F A C	Collman	2000
1399	Peterson	Gilchrist	1000
1400	Ehrenfort	Rainey	795
1401	Nash	Nash	500
1402	Mier Nat'l Bk	Urfer	450
1403	Schwartz	Collman	450
1404	Schoenfeld	Schell	11100
1405	Heitzman	De Benedette	4050
1406	Yung	Rehn	2675
1407	Santa Fe	Hayes	20000
1408	Gallagher	Arnott	5000
1409	Same	Same	2500
1410	Ratto	Stickle	1200
1411	Peters	Leiter	850
1412	Rullhauser	Owner	500
1413	Holland	Holland	480
1414	Meyer	Britt	475
1415	Koerber	Koerber	400
1416	Mission	Olsen	16865
1417	Brunton	Cameron	—
1418	Lowry	Mayer	750
1419	Same	Jones	22566
1420	Compagnia	Pasqualetti	8750
1421	Parker	Parker	2000
1422	Heller	Robinson	900
1423	White Lunch	Owner	800
1424	Parsons	Ham	500
1425	Nelson	Nelson	6500
1426	Nelson	Nelson	11000
1427	R C Archbishop	Leonard	47825
1428	Savage	Elvin	3000
1429	Colicchia	Lorbi	4400
1430	Willgroth	Kleeman	3000
1431	Crocker	Schell	900
1432	Douglas	Ellingson	900
1433	Alhambra	Andrews	500
1434	Drucker	Martin	12712
1435	Kummer	Zinkand	3000
1436	Hamill	Hamill	4000
1437	Bear	Bear	2000
1438	Wilsons	Novelty	1000
1439	Marine	Upham	935
1440	Markwitz	Owner	400

(1374) E SECOND 123 S Harrison. Three-story reinforced concrete Class "C" loft building. Owner—L. A. Giacobbi, 233 Post, S. F.

Architect—Edw. G. Bolles, 233 Post, San Francisco.  
Contractor—P. J. Lechner, 233 Post, San Francisco.

COST, \$40,000

(1375) POWELL AND O'FARRELL; Hotel Maux. Alter hotel. Owner—Geo. E. Toy, 111 Montgomery San Francisco.

Architect—W. H. Weeks, 75 Post St., San Francisco.  
Contractor—Daniel R. Wagner, 110 Jessie, San Francisco.

COST, \$40,000

(1376) N BRYANT 100 W 4th. One-story brick building. Owner—Sharon Estate, Sharon Bldg., San Francisco.

Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.  
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

COST, \$26,500

(1377) NO. 940 NORTH POINT. One story brick addition to factory. Owner—D. L. & D. Ghirardelli & Co., Larkin & North Point, S. F.

Architect—Wm. Mooser, 1105 Nevada Bank Bldg., S. F.

COST, \$25,000

Brick work awarded to H. H. Larsen, 62 Post Street.  
Carpenter work to G. Peterson, 62 Post Street.

Plumbing and electric work to O. Kurtz, 445 Stevenson Street.

(1378) S CLAY 141-10 E Polk. Three story and basement apartments. Owner—Laura C. Props, 1400 Webster, San Francisco.

Architect—None.  
Day's work.

COST, \$22,000

(1379) NO. 220 GRANT AVE. Alter store.

Owner—J. J. Henkel Co.  
Architect—Bliss & Favelle, Balboa Bldg., San Francisco.  
Contractor—W. D. Henderson, Monadnock Bldg., San Francisco.

COST, \$5000

(1380) NO. 111 ELLIS. Alterations. Owner—Indoor Yacht Club, 4 Eddy, San Francisco.

Architect—O'Brien Bros., Inc., 240 Montgomery, San Francisco.  
Day's work.

COST, \$4000

(1381) E VAN NESS AVE 67-6 N Lombard. Two-story and basement frame residence. Owner—A. Garibaldi, 509 Columbus Ave., San Francisco.

Architect—J. Devencenzi, 1017 Union, San Francisco.  
Contractor—Devencenzi Bros., 1071 Union, San Francisco.

COST, \$3000

(1382) W FIFTEENTH AVE 265 N Cabrillo. Two-story frame dwlg. Owner—J. M. Peters, 1010 Balboa, San Francisco

Architect None.  
Day's work.

COST, \$3000

(1383) W FOURTEENTH 25 and 49-6 N Cabrillo. Two two-story frame flats.

Owner—Thos. Vodden & Son, 760 Cole, San Francisco.  
Designer—Walter G. Vodden, 760 Cole San Francisco.

Contractor—Walter G. Vodden, 760 Cole, San Francisco.

COST, \$7000 each

(1384) SE TWENTY-THIRD AVE & Anza. Two-story frame residence. Owner—G. A. Allison.

Architect—None.  
Contractor—Johnson & Johnson, 844 14th, San Francisco.

COST, \$9750

(1385) N YERBA BUENA AVE 163.78 E Santa Clara Ave. Two-story and basement frame residence.

Owner—E. O. Stratton, S. F.  
Architect—Henry H. Gutterson, 278 Post, San Francisco.

Contractor—John Morton, 744 Victoria Ave., San Francisco.

COST, \$9500

(1386) E BEALE 183-4 S Mission. One-story concrete public garage. Owner—The Great Ruby Gold Mining Co., 704 Chronicle Bldg., S. F.

Architect—None.  
Day's work.

COST, \$9000

(1387) NE ANZA AND TWENTY-fifth Ave. Two-story frame flats. Owner—Chas. A. Johnson, 47-a Lander, San Francisco.

Architect—C. O. Clausen, Hearst Bldg San Francisco.

Day's work.

COST, \$8000

(1388) Lots 31 AND 32 BLK 3, Forest Hill. Two-story frame dwelling and club house.

Owner—Forest Hill Association, 51 Sotelo, San Francisco.

Architects—B. R. Maybeck, Lick Bldg. and E. C. Young, 268 Mission, S. F.

Contractor—M. Fisher, 687 Mission, San Francisco.

COST, \$7000

(1389) N RAYMOND bet. Alpha and Beta. One-story frame residence. Owner—Thomas McQuade, 226 Raymond Ave., San Francisco.

Architect—H. D. Mitchell, 628 Montgomery, San Francisco.

Contractor—K. C. Gardner, 335 Raymond Ave., San Francisco.

COST, \$2800

(1390) NOS. 2424-26-28-30 HOWARD Repair fire damage. Owner—Umbsen, Kerner & Eisert, 20 Montgomery, San Francisco.

Architect—None.  
Contractor Swensen & Franzen, 145 Natoma, San Francisco.

COST, \$2400

(1391) NO. 236 BROAD. One-story frame garage.  
Owner—A. Gerard, Permisses.  
Architect—None.  
Day's work. COST, \$400

(1392) NE FIFTH AVE AND IRVING E 95xN 60. Concrete, grading, carpenter, plastering, roofing, glazing, painting, etc., for church, Sunday School and Study Building.  
Owner—Christ Church Lutheran.  
Architect—Ward & Blohme, Alaska Commercial Bldg., S. F.  
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.  
Filed July 14, '19. Dated July 9, '19.  
Grading and concrete foundations complete .....\$1000.00  
Frame done, enclosed and roof on ..... 3000.00  
Plastering flooring and glazing done ..... 2000.00  
Completed and accepted ..... 3208.50  
36 days after ..... 3069.50  
TOTAL COST, \$12,278  
Bond, \$6139. Surety, Massachusetts Bonding & Insurance Co. Limit, 80 days. Forfeit, none. Plans and specifications filed.

(1393) ELECTRIC WIRING ON above.  
Contractor—California Elec. Constr. Co., 641 Mission, San Francisco.  
Filed July 14, '19. Dated July 9, '19.  
Conduit work completed.....\$ 200.00  
Completed and accepted..... 130.00  
36 days after ..... 109.50  
TOTAL COST, \$439.00  
Bond, \$219.75. Surety, National Surety Co. Limit, 70 days. Forfeit, none. Plans and specifications filed.

(1394) PLUMBING WORK ON above.  
Contractor—J. R. Williamson (as H. Williamson Co.), 1376 Mission St., San Francisco.  
Filed July 14, '19. Dated July 9, '19.  
Roughing in completed and sewers laid .....\$400  
Completed and accepted..... 308  
36 days after ..... 236  
TOTAL COST, \$944  
Bond, \$219.75. Surety, Fidelity & Deposit Co. of Maryland. Limit, 70 days. Forfeit, none. Plans and specifications filed.

(1395) NO. 3007 JACKSON. All work for alterations and additions to two story, basement and attic frame residence.  
Owner—Capt. J. F. C. Hagens, Holbrook Bldg., San Francisco.  
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.  
Contractor—Chas. Stockholm & Sons, Monadnock Bldg., San Francisco.  
Filed July 14, '19. Dated July 11, '19.  
On 1st of each month..... 75%  
Usual 35 days..... 25%  
TOTAL COST, \$14,505  
Bond, \$7253. Surety, New Amsterdam Casualty Co. Limit, 75 days. Forfeit, none. Plans and specifications filed.

(1396) SW CLAY & LAGUNA 137-6 on Clay by 63-10 1/4 on Laguna. Grading, excavation, concrete and cement floors for three-story frame apartments.  
Owner—Frank Booth, 1032 Lombard, San Francisco.  
Architect—Henry Smith, Humboldt Bank Bldg., San Francisco.

Contractor American Concrete Co., 785 Market, San Francisco.  
Filed July 14, '19. Dated July 9, '19.  
Grading done and concrete walls in .....\$1300  
Cement floors and walls in..... 180  
Usual 35 days ..... 500  
TOTAL COST, \$1980

Bond, \$1000. Sureties, P. Barale and J. P. Couhappe, Limit, 18 days. Forfeit, \$5. Plans and specifications filed.  
(1397) E SECOND 123 S Harrison S 67x E 130. Plumbing, sewerage, stand pipe and fixtures, etc., for reinforced concrete loft building.  
Owner—L. A. Giacobbi, 150 Post, S. F.  
Architect—Edw. G. Bolles, 233 Post, San Francisco.  
Contractor—N. George Wienholz, 3508 Mission, San Francisco.  
Filed July 14, '19. Dated June 12, '19.  
Roughed in .....\$600  
Completed and accepted ..... 353  
Usual 35 days .....  
TOTAL COST, \$1273  
Bond, \$635. Surety, National Surety Co. Limit, 100 days. Forfeit, none. Specifications only filed.

(1397) W EASTWOOD DRIVE 85 S Wildwood Way. One-story bungalow.  
Owner—C. A. Hall, 1301 4th Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$3000

(1398) NO. 77 O'FARRELL. Alter club rooms.  
Owner—S. F. Architectural Club, Premises.  
Architect—None.  
Contractor—A. D. Collman, 110 Jessie San Francisco.  
COST, \$2000

(1399) S MARKET 250 W Third. Alter market (meat department).  
Owner—H. L. Peterson, 60 Post, S. F.  
Architect—None.  
Contractor—J. Gilchrist, 231 Stevenson, San Francisco.  
COST, \$1000

(1400) E MISSION 50 S 21st. Alter theatre.  
Owner—Ehrenpfort Theatre Co., Russ Bldg., San Francisco.  
Architect—None.  
Contractor—Wm. A. Rainey, 180 Jessie, San Francisco.  
COST, \$795

(1401) NO. 411 UNIVERSITY. One-story frame cottage.  
Owner—Sylvester H. Nash, 407 University, San Francisco.  
Architect—None.  
Day's work. COST, \$500

(1402) NO. 270 MARKET. Alter store.  
Owner—Merchants National Bank, New Montgomery & Market, S. F.  
Architect—None.  
Contractor—Chas. E. Urfer, 134 Hallock, San Francisco.  
COST, \$450

(1403) NO. 167 COMMONWEALTH Ave. One-story frame garage.  
Owner—Mr. Schwartz, Premises.  
Architect—S. Lighter Heyman, Crocker Bldg., San Francisco.  
Contractor—A. D. Collman, 110 Jessie, San Francisco.  
COST, \$450

(1404) SW BRYANT AND GILBERT 55x80. All work for two-story Class "C" factory building.  
Owner—William Schoenfeld, 1985 Grove, San Francisco.  
Architect—Lewis M. Gardner, Phelan Bldg., San Francisco.

Contractor—Samuel Schell, 180 Jessie, San Francisco.  
Filed July 15, '19. Dated July 15, '19.  
Brick walls ready for 2nd floor joists .....\$2775  
Rafters in place ..... 2775  
Completed and accepted ..... 2775  
Usual 35 days ..... 2775  
TOTAL COST, \$11,100

Bond, \$5550. Surety, American Bonding & Casualty Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.  
(1405) S COTTER 125 NW Mission 25 x100. All work for two-story and basement frame dwelling.  
Owner—F. A. Heitzman, 4419 Mission, San Francisco.  
Architect—L. S. Allen.  
Contractor—A. De Benedetti, 20 Cotter San Francisco.  
Filed July 15, '19. Dated July 15, '19.  
Frame up .....\$1000  
Brown coated ..... 1000  
Completed and accepted ..... 1000  
Usual 35 days..... 1050  
TOTAL COST, 4050

Bond, limit, forfeit, plans and specifications, none.

(1406) SE SIXTEENTH & ALBION Ave. All work for plumbing for building.  
Owner—Jakob Yung, 3151 16th, San Francisco.  
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.  
Contractor—Chas. Rehn, 2034 Mission San Francisco.

Filed July 15, '19. Dated June 16, '19.  
On 1st and 15th of each month 75% of work done, etc.....25%  
Usual 35 days.....  
TOTAL COST, \$2675  
Bond, none. Limit, 14 days after notified. Forfeit, plans and specifications none.

(1407) NO. 1001 THIRD. Two-story office and freight house.  
Owner—Santa Fe Railway Co., Los Angeles, Cal.  
Architect—None.  
Contractor—Hayes-Oser Co., Call Bldg., San Francisco.  
COST, \$20,000

(1408) S REVERE 25 and 50 E Kieth Ave. Two one-story frame cottages  
Owner—E. J. Gallagher, 112 Lyon, San Francisco.  
Architect—None.  
Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.  
COST, \$2500 each

(1409) SE REVERE AND KIETH Ave. One-story frame cottage.  
Owner—E. J. Gallagher, 112 Lyon St., San Francisco.  
Architect—None.  
Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.  
COST, \$2500

(1410) NOS. 62-64 LAFAYETTE. Alter dwelling.  
Owner—Maria Ratto, Premises.  
Architect—None.

Contractor—R. C. Stickle, South San Francisco.

COST, \$1200

(1411) NO. 2715 SCOTT. Alter dwelling.

Owner—J. F. Peters, Premises. Architect—John R. Hamilton, Kohl Bldg., San Francisco.

Contractor—E. T. Leiter & Sons, Call Bldg., San Francisco.

COST, \$850

(1412) S TWENTY-FIFTH 28 E Douglass. Alter dwelling.

Owner—John H. Rulhausser, 4389 25th, San Francisco.

Architect—None. Day's work.

COST, \$500

(1413) NO. 458 PARIS. Alter dwlg. Owner—G. Holland, Premises.

Architect—None. Day's work.

COST, \$480

(1414) NO. 2730 BUSH. Alter basement for garage.

Owner—H. Meyer, Premises. Architect—None.

Contractor—O. W. Britt, 1115 Scott, San Francisco.

COST, \$475

(1415) NO. 1212 WALNUT. Alter for repair shop.

Owner—Koeber Watkins Co., Prem. Architect—None.

Day's work.

COST, \$400

(1416) MISSION TERRACE, Lots 1, 2, 3, 4 and 5 Blk "P". All work for five five-room cottages.

Owner—Mission Terrace Co., 275 Santa Rosa, S. F.

Architect—H. C. Baumann, 251 Kearny, San Francisco.

Contractor—Olaf Olsen, 68 Santa Ynez, San Francisco.

Filed July 16, '19. Dated July 10, '19.

Enclosed and roofs on.....\$4216.25

Brown coated.....4216.25

Completed and accepted.....4216.25

Usual 35 days.....4216.25

TOTAL COST, \$16,865.00

Bond, \$8432.50. Sureties, H. S. Thompson and L. H. Birth. Limit, 100 days.

Forfeit, \$1. Plans and specifications filed.

(1417) SW NINETEENTH AND VALENCIA 50x100. All work for one-story frame building used as battery exchange station.

Owner—Julius Brunton & Sons Co., 1035 Geary, San Francisco.

Architect—Lewis M. Gardner, Phelan Bldg., San Francisco.

Contractor—Cameron & Disston, Hearst Bldg., San Francisco.

Filed July 16, '19. Dated July 14, '19.

As work progresses.....75%

On completion.....25%

COST, Total Cost of labor and material and 10% added.

Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications, none.

(1418) E VAN NESS AVE 25-67 S Ellis S 41-54 E 136-6 N 70 W 27-6 S 25-67 W 109.

Rough and finish plumbing for one-story and basement brick and concrete bldg.

Owner—Nellie M. Lowry, Agnes Lowry and Isabel Soule, 80 Post, San Francisco.

Architect—Henry Shermund and Jno. T. Harnes, Mills Bldg., S. F.

Contractor—Ahlbach & Mayer, 107 Collingwood, S. F.

Filed July 16, '19. Dated July 16, '19.

Roughing in completed.....\$400.00

Completed and accepted.....162.50

Usual 35 days.....187.50

TOTAL COST, \$750.00

Bond, none. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

(1419) ALL WORK EXCEPT PLUMBING on above.

Contractor—Paul K. Jones, 180 Jessie, San Francisco.

Filed July 16, '19. Dated July 16, '19.

Excavation and basement walls completed.....25%

1st story brick walls completed.....25%

and trusses in.....25%

Completed and accepted.....25%

Usual 35 days.....25%

TOTAL COST, \$22,566

Bond, \$11,283. Surety, American Surety Co. Limit, 60 days. Forfeit, \$10. Plans and specifications filed.

(1420) S BROADWAY 137-6 W Montgomery W 63-9xS 97-6.

All work except painting and metal ceiling for alterations to two-story brick building.

Owner—La Societa di Mutuo Soccorso della Compagnia Garibaldina, Premises.

Architect—Paul F. De Martini, 2123 Powell, San Francisco.

Contractor—G. B. Pasqualetti, 32 Harwood Place, S. F.

Filed July 16, '19. Dated July 15, '19.

Roof on.....\$3275

Completed and accepted.....3275

Usual 35 days.....2200

TOTAL COST, \$8750

Bond, \$4400. Sureties, Emilio Devincenti and Marina C. Bricca. Limit, 70 days. Forfeit, none. Plans and specifications filed.

(1421) N LOMBARD 206-3 W Steiner One-story frame implement shed.

Owner—K. E. Parker Co., 519 California, San Francisco.

Architect—None. Day's work.

COST, \$2000

ALTERATIONS

(1422) NO. 1116 MARKET. Alter store.

Owner—E. & S. Heller, 361 Mills Bldg San Francisco.

Architect—None. Contractor—Robinson & Gillespie, 1051 Sutter, San Francisco.

COST, \$900

(1423) NOS. 553-555 SANSOME. Lay Hoffite asbestos floor.

Owner—White Lunch Co., 122 Kearny San Francisco.

Architect—None. Day's work.

COST, \$800

(1424) NO. 325 DAVIS. Alter storage house.

Owner—S. L. Parsons, Pacific Grove. Architect—None.

Contractor—C. C. W. Ham, 180 Jessie, San Francisco.

COST, \$500

(1425) LOT 7 BLK 3165, Westwood Park. All work for one-story frame bungalow.

Owner—Hans Nelson, 747 19th Ave., San Francisco.

Architect—None.

Contractor—Nelson Bros., 747 19th Ave., San Francisco.

Filed July 17, '19. Dated July 14, '19.

Frame up, enclosed and roof on.....\$1625

Brown coated.....1625

Completed and accepted.....1625

Usual 35 days.....1625

TOTAL COST, \$6500

Bond, \$300. Sureties, Edwin T. Peterson and Chas. Monson. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

(1427) FOURTEENTH AVE near Irving. Grading, concrete work, carpentry, etc., for Saint Ann's Parochial School.

Owner—The Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—W. D. Shea and H. A. Minion, 244 Kearny, S. F.

Contractor—J. J. Leonard, 180 Jessie, San Francisco.

Filed July 17, '19. Dated July 16, '19.

On 1st and 15th of each month 75%

Usual 35 days.....25%

TOTAL COST, \$47,825

Bond, \$24,000. Sureties, Thos. McDermott and T. Dolly. Limit, Jan. 15, 1920.

Forfeit, none. Plans and specifications filed.

(1426) W PLYMOUTH AVE 11.184 S from NE Cor. Lot 12 N 82 deg 23 min 52 sec W 97.919 N 35.821 S 84 deg 16 min 52 sec E 99.450 S 38.454 Ptn Lots 10, 11, 12 Blk 3177, Westwood Park; W Plymouth Ave 27.270 S from NE Cor. Lot 9 N 85 deg 47 min 58 sec W 99.079 N 35.823 S 87 deg 18 min 10 sec E 98.634 S 38.454 Ptn Lots 8 and 9 Blk 3177, Westwood Park. All work for two one-story frame bungalows and garages.

Owner—Hans Nelson, 747 19th Ave., San Francisco.

Architect—Chas. F. Strothoff, 2276 15th, San Francisco.

Contractor—Nelson Bros., 747 19th Ave., San Francisco.

Filed July 17, '19. Dated July 14, '19.

Enclosed and roof on.....\$2750

Brown coated.....2750

Completed and accepted.....2750

Usual 35 days.....2750

TOTAL COST, \$2750

Bond, \$5000. Sureties, Edwin T. Peterson and Chas. Monson. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

(1428) NE CLEMENT AND SIXTH Ave. Alter store building.

Owner—Peter R. Savage, 252 8th Ave., San Francisco.

Architect—Alfred A. Pyle, 1794 Hayes, San Francisco.

Contractor—Arthur Elvin, 425 Castenada, San Francisco.

Filed July 17, '19. Dated July 16, '19.

Concrete floor in place.....\$1000

Completed and accepted.....1500

Usual 35 days.....500

TOTAL COST, \$3000

Bond, \$1500. Sureties, Frank Elvin & Edw Rangle. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(1429) W MISSION 198 S Ocean Ave. Two-story frame flats and store.

Owner—G. Colicchia, 4655-A Mission, San Francisco.

Architect—Jas. Bisio, 227 Brazil Ave.,

San Francisco.  
Contractor—A. Lorbi, 353 Edinburg,  
San Francisco.

COST, \$4400

(1430) NO. 273 EIGHTEENTH AVE.  
One-story frame dwelling.

Owner—E. Willgroth, 962 McAllister,  
San Francisco.

Architect—None.

Contractor—Wm. Kleeman, 188 Page,  
San Francisco.

COST, \$3000

(1431) NO. 340 STOCKTON. Alter  
hotel.

Owner—C. H. Crocker, Wiltshire  
Hotel, San Francisco.

Architect—A. Merrill Bowser, Hearst  
Bldg., San Francisco.

Contractor—Samuel Schell, 180 Jes-  
sie, San Francisco.

COST, \$900

(1432) NO. 7 EDDY. Alter barber  
shop.

Owner—Douglas Realty Co.

Architect—Earle B. Bertz, 68 Post,  
San Francisco.

Contractor—E. Ellingson, 110 Jessie,  
San Francisco.

COST, \$900

(1433) N MARKET bet. Powell and  
Mason. Erect stage for painters.

Owner—Alhambra Theatre Co., Prem  
Architect—None.

Contractor—Charles Andrews, 1825  
Ellis, San Francisco.

COST, \$500

(1434) N Bush 106-3 W Fillmore N  
127-6XW 25. All work except  
plumbing for two-story reinforced  
concrete factory building.

Owner—A. E. Drucker, 2679 Califor-  
nia St., San Francisco.

Architect—Maxwell G. Bugbee, 619  
Washington, San Francisco.

Contractor—William Martin, 180 Jes-  
sie, San Francisco.

Filed July 18, '19. Dated July 18, 19.  
On 1st and 15th of each month 75%  
Usual 35 days, 25%.....\$3178

TOTAL COST, \$12,712

Bond, \$6400. Sureties, Edw. Peterson  
and Fred Walfert. Limit, 50 days.  
Forfeit, \$10. Plans and specifications  
filed.

(1435) W ALABAMA 290 S 25th S  
25XW 100. All work for alterations  
and additions to building.

Owner—Frank E. and Emma Kummer  
1342 Alabama, San Francisco.

Architect—None.

Contractor—Ed. Zinkand & Son, 434  
10th Ave., San Francisco.

Filed July 18, '19. Dated July 18, '19.  
Roof on  
Completed and accepted.....\$750

Usual 35 days.....750

TOTAL COST, \$3000

Bond, \$1500. Sureties, Karl J. Gunther  
and Lawrence Buckley. Limit, 45  
days. Forfeit, none. Plans and spec-  
ifications filed.

NOTE:—1st report July 12th, No. 1342

(1436) W TWENTY-EIGHTH AVE  
35 N Anza. Two-story frame resi-  
dence.

Owner—Thos. Hamill, 4101 Batboa  
San Francisco.

Architect—None.

Day's work.....COST, \$4000

(1437) NO. 319 IRWIN. Alter factory  
for grinding Barium ores.

Lessee—Bear Barytes Co.  
Trustee—B. C. Van Emon, 235 1st,  
San Francisco.

Day's work.....COST, \$2000

(1438) NO. 40 FIFTH. Erect mar-  
quise with electric sign.

Owner—Wilson's Dancing Academy,  
Premises.

Architect—None.

Contractor—Novelty Elec. Sign Co.,  
165 Eddy, San Francisco.

COST, \$1000

(1439) NO. 164 STEWART. Alter  
office and assembly hall.

Owner—Marine Eng. Ass'n., Premises.  
Architect—None.

Contractor—W. H. Upham, 478 35th  
Ave., San Francisco.

COST, \$935

(1440) NO. 905 DIVISADERO. Put  
garage in basement.

Owner—L. Markwitz, Premises.

Architect—None.

Day's work.....COST, \$400

## COMPLETION NOTICES.

### San Francisco County.

#### RECORDED ACCEPTED

July 12, 1919—W POTRERO AVE  
150 N Mariposa N 50x100. M J  
and W F Strohmaier to Paul  
Messner.....July 8, 1919

July 14, 1919—NW CLAREMONT  
Blvd 20 SW from SW line Lot NW  
Bik 2979 Claremont Court NW  
100.74 NE 40 SE 102.042 SW 40 m  
or 1 Lot 11 and Ptn Lot 10 Bik  
2979 Claremont Court. John J  
Binet Co and Alfred Friedman to  
whom it may concern.....July 1, 1919

July 14, 1919—NW CLAREMONT  
Blvd and SW line Lot 8 Bik 2979,  
Claremont Court NW 102.46 NE  
40 m or 1 SE 100.881 SW 40 m or  
1 Lot 8 and Ptn Lot 9 Bik 2979,  
Claremont Court. John J Binet  
Co and Alfred Friedman to whom  
it may concern.....Jan. 30, 1919

July 14, 1919—NW CLAREMONT  
Blvd 10 NE from SW line Lot 9  
Bik 2979 Claremont Ct NW 100.881  
m or 1 NE 40 SE 100.740 SW 40  
m or 1 Ptn Lot 9 and 10 Bik 2979  
Claremont Court. John J Binet  
and Alfred Friedman to whom it  
may concern.....July 14, 1919

July 14, 1919—FERRY BLDG.  
Ferry Ticket Office. Southern  
Pacific Railroad to Standard Con-  
struction Co.....July 10, 1919

July 15, 1919—E DIVISADERO — S  
Walker, No. 176 Divisadero.  
Louis Muller to whom it may  
concern.....July 14, 1919

July 16, 1919—S EDDY 137-6 E Ma-  
son E 68-9 S 144.55 SW 85 N 194.  
1 1/4 m or 1 City Investment Co to  
Grace & Bernieri.....July 7, 1919

July 17, 1919—NW ANZA AND 19th  
Ave N 25XW 82-6. J P Sparr to  
whom it may concern.....July 10, 1919

July 17, 1919—W THIRTY-EIGHTH  
Ave 100 S Irving S 25XW 120. M  
J Regan to Thomas Hamill.....  
July 17, 1919

July 18, 1919—S GEARY 92-6 W  
Powell W 45X8 137-6. A T W  
Corder, Inc. to The Golden Gate  
Iron Works.....July 10, 1919

July 16, 1919—S PACIFIC 92-6 W  
Grant Ave W 182-6 S 137-6 E 182-6  
N 137-6 m or 1. Tomaso Marlini,  
Michael J Capelli, Louis S Ratto,  
Victor J Canepa and G B Antonini  
to Mission Concrete Co. Mar 15, 1919

## LIENS FILED.

### San Francisco County.

July 16, 1919—NO. 2202 CALIFOR-  
nia. Veyhle & Collins vs J B and  
H B Detrick .....\$1437.14

July 17, 1919—NW OCTAVIA AND  
Olive Ave N 30XW 110. W H  
Meyers vs Lillie B Dobbs and  
Robert White Co.....\$60

## BUILDING CONTRACTS

### Alameda County.

The following is an index for the  
contracts for this issue:

No.	Owner	Contractor	Amt.
1458	Lockett	Lockett	6500
1459	Waters	Barnett	3500
1457	Vinson	Morris	11000
1460	Goranson	Goranson	2850
1461	Smith	Smith	700
1462	Massie	Massie	400
1463	Brown	Woodard	3000
1464	Macdonald	Southard	2800
1465	Bright	Peppin	2500
1466	Nelson	Glantz	2500
1467	Bell	Bell	2000
1468	Iraquis	Bay City	1000
1469	Blesse	Blesse	1000
1470	McNalles	Lucay	735
1471	Station	Corbett	475
1472	Zeller	Zeller	450
1473	Reid	Moore	400
1474	Andreocetti	Owner	400
1475	Cabral	Santos	400
1476	Andersen	Andersen	260
1477	Christie	Fredricksen	3500
1478	Magnovox	Nelson	11000
1479	Stineman	Schwalm	10640
1480	Schaefer	Mathies	10000
1481	Seminary	Seminary	5200
1482	Stone	Stone	4800
1483	City of Okd.	Dowd	495
1484	Koplan	Rose	450
1485	Rittman	Rittman	450
1486	Bettencourt	Santos	400
1487	Board Education	Owner	5000
1488	Kern	Kern	4800
1489	Wheeler	Livingston	3000
1490	Moberg	Owner	500
1491	MacGregor	Owner	19950
1492	Same	Same	2775
1493	Realty	Forstholt	18000
1494	Haler	Owner	10000
1495	Central Nat'l	Kulchar	5000
1496	City of Oakland	Faulkes	2400
1497	Same	Same	3600
1498	Spicer	Carson	1500
1499	Dahl	Dahl	1000
1500	Luits	Hanner	400
1501	Landregan	Owner	1500
1502	Wallace	Mellock	400
1503	Bank of S. L.	Scott	4516
1504	Same	Knowles	36850
1505	Same	Bradbury	1100
1506	Same	Bender	568
1507	Bonnemazou	Schneblly	10463
1508	Hazlett	Engler	13650
1509	Ramoge	Kulchar	5000
1510	Gier	Koenig	4800
1511	Houch	Houch	4000
1512	Owen	Francis	3850
1513	Meny	Meny	3000
1514	Gundy	Burks	3000
1515	Pidretti	Higgins	2300
1516	Silva	Santos	800

1517 Carson .....Champion 400  
 1518 Jensen .....Nielsen 4600  
 1519 Marquis .....Owner 2000  
 1520 Smith .....Vezey 500  
 1521 Edwards .....Anderson 500

(1457) N FORTIETH 255 — Tele-  
 graph Ave., Oakland. Two-story 18  
 room apartments.  
 Owner—R. B. Vinson, Syndicate Bldg.,  
 Oakland.  
 Architect—None.  
 Contractor—Solomon Morris, 326 24th,  
 Oakland.  
 COST, \$11,000

(1458) W HADDEN ROAD 450 N Ex-  
 cel-sior Ave., Oakland. Two-story  
 12-room apartments.  
 Owner—W. O. Lockett, 375 Perkins,  
 Oakland.  
 Architect—None.  
 Day's work. COST, \$6500

(1459) NO. 686 LERIDA AVE., Oak-  
 land. One-story 5-room dwelling.  
 Owner—Mrs. F. Waters, Premises.  
 Architect—None.  
 Contractor—H. M. Barnett, 859 Aileen  
 Oakland. COST, \$3500

(1460) E RHODA AVE 140 S Hopkins,  
 Oakland. One-story 5-room dwlg.  
 Owner—H. Goranson, 3485 Peralta  
 Ave., Oakland.  
 Architect—None.  
 Day's work. COST, \$2850

(1461) NO. 71 ECHO AVE., Oakland.  
 Addition.  
 Owner—Wesley Smith, Premises.  
 Architect—None.  
 Day's work. COST, \$700

(1462) S THIRTY-THIRD 300 W  
 Lowell, Oakland. One-story 3-room  
 dwelling.  
 Owner—Alice Massie, 995 53rd, Okd.  
 Architect—None.  
 Day's work. COST, \$400

(1463) S FORTY-FOURTH 210 W  
 Webster, Oakland. One-story five-  
 room dwelling.  
 Owner—Nellie E. Brown, 441 44th,  
 Oakland.  
 Architect—None.  
 Contractor—L. L. Woodard, 2415 73rd  
 Ave., Oakland.  
 COST, \$3000

(1464) S REDDING 100 W Maybelle,  
 Oakland. One-story 5-room dwlg.  
 Owner—Geo. Macdonald, 288 38th  
 Ave., Oakland.  
 Architect—None.  
 Contractor—M. Southard, Nicol and  
 Peralta Ave., Oakland.  
 COST, \$2800

(1465) S MONTANA 235 W Curran  
 Ave., Oakland. One-story 5-room  
 dwelling.  
 Owner—J. A. Bright, Bacon Bldg.,  
 Oakland.  
 Architect—None.  
 Contractor—J. B. Peppin, San Le-  
 andro. COST, \$2500

(1466) E FOURTEENTH AVE 100 N  
 Hopkins, Oakland. One-story five-  
 room dwelling.  
 Owner—Chris Nelson, 2429 E-22nd,  
 Oakland.  
 Architect—None.  
 Contractor—A. A. Glantz, 1900 E-27th,  
 Oakland. COST, \$2500

(1167) W SEMINARY AVE 230 S E-  
 14th, Oakland. One-story 5-room  
 dwelling.  
 Owner—W. B. Bell, 1257 46th, Oak-  
 land.  
 Architect—None.  
 Day's work. COST, \$2000

(1468) NOS. 461-463 ELEVENTH,  
 Oakland. Alterations.  
 Owner—Irquois Restaurant, Premises  
 Architect—None.  
 Contractor—Bay City Cabinet Co.,  
 1080 51st, Oakland.  
 COST, \$1000

(1469) NE MOUNTAIN VIEW AND  
 Leona, Oakland. One and one-half-  
 story 4-room dwelling.  
 Owner—C. H. Blesse, Premises.  
 Architect—L. F. Hyde, 2745 26th Ave.,  
 Oakland.  
 Day's work. COST, \$1000

(1470) NO. 5806 DOVER, Oakland.  
 Addition.  
 Owner—Mrs. Margaret McNalles, 534  
 25th, Oakland.  
 Contractor—C. D. Lucay, 541 55th  
 Oakland. COST, \$735

(1471) NO. 1313 FRANKLIN, Oak-  
 land. Alterations.  
 Owner—Station Restaurant, Premises.  
 Architect—None.  
 Contractor—Corbett & Bayless, 1110  
 Franklin, Oakland.  
 COST, \$475

(1472) SW EXCELSIOR AND ALMA  
 Oakland. Garage.  
 Owner—W. S. Zeller, 270 21st, Okd.  
 Architect—None.  
 Day's work. COST, \$450

(1473) NW THIRTY-SEVENTH &  
 Webster, Oakland. Alterations.  
 Owner—J. Reidt, Premises.  
 Architect—None.  
 Contractor—C. F. Moore, 446 38th,  
 Oakland. COST, \$400

(1474) NO. 1421 CAMPBELL, Oak-  
 land. Barn.  
 Owner—P. Andrenocetti, 1463 13th,  
 Oakland.  
 Architect—None.  
 Day's work. COST, \$400

(1475) NO. 1527 FOURTEENTH AV  
 Oakland. Garage.  
 Owner—A. Cabral, Premises.  
 Architect—None.  
 Contractor—L. Santos, 1212 E-17th,  
 Oakland. COST, \$400

(1476) GILMAN near Evelyn Ave.,  
 Berkeley. One-story 5-room dwlg.  
 Owner—Hans C. Andersen, 1403 Santa  
 Fe Ave., Berkeley.  
 Architect—None.  
 Day's work. COST, \$2600

(1477) N ROSE TERRACE 100 E  
 Arch. Berkeley. Two-story 6-room  
 dwelling.  
 Owner—W. A. Christie, 2029 Berkeley  
 Way, Berkeley.  
 Architect—None.  
 Contractor—Eriksen & Fredricksen,  
 1910 Hearst Ave., Berkeley.  
 COST, \$3500

(1478) S E-FOURTEENTH opp. 27th  
 Ave., Oakland. Two-story 4-room  
 concrete store house.

Owner—Magnovox Co., 616 Mission,  
 San Francisco.  
 Architect—None.  
 Contractor—Nelson & Forsyth, Union  
 Bank of Savings Bldg., Oakland.  
 COST, \$11,000

(1479) NW WALLA VISTA AND  
 Arimo Aves., Oakland. Two-story  
 9-room dwelling.  
 Owner—Nettie M. Stineman, 600 Van  
 Buren Ave., Oakland.  
 Architect—Julia Morgan, Merchants'  
 Exchange Bldg., San Francisco.  
 Contractor—Harry Schwalm, 721  
 Main St., Hayward.  
 COST, \$10,640

(1480) S ROSAL 185 E Santa Ray  
 Ave., Oakland. Two-story 10-room  
 dwelling.  
 Owner—E. E. Schaefer, 721 27th Ave.,  
 San Francisco.  
 Architect—Sidney B. Newsom, 14  
 Montgomery, San Francisco.  
 Contractor—H. C. Mathies, 180 Jessie,  
 San Francisco.  
 COST, \$10,000

(1481) W SIXTY-FIRST AVE 200 &  
 320 S Braun, Oakland. Two one-  
 story 5-room dwelling.  
 Owner—Seminary Land Co., 105 Mont-  
 gomery, San Francisco.  
 Architect—E. S. Lenne, San Francisco  
 Day's work. COST, \$2600 each

(1482) N PIPPIN 50 and 100 W Pear  
 Oakland. Two one-story 5-room  
 dwellings.  
 Owner—E. B. & A. Stone Co., Rialto  
 Bldg., San Francisco.  
 Architect—None.  
 Day's work. COST, \$2400 each

(1483) EIGHTEENTH AND CAMP-  
 bell, Oakland. Addition.  
 Owner—City of Oakland.  
 Architect—None.  
 Contractor—Dowd & Ketchum.  
 COST, \$495

(1484) NO. 1052 FOURTEENTH,  
 Oakland. One-story store.  
 Owner—H. Koplan, Premises.  
 Architect—None.  
 Contractor—A. H. Rose & Co., 525  
 17th, Oakland.  
 COST, \$450

(1485) NO. 621 FIFTY-FIRST, Oak-  
 land. Repairs.  
 Owner—Henry Rittman, Premises.  
 Architect—None.  
 Day's work. COST, \$450

GARAGE  
 (1486) E PARK BLVD 190 N San  
 Luis, Oakland. Garage.  
 Owner—M. F. Bettencourt, 3624 16th,  
 San Francisco.  
 Architect—None.  
 Contractor—L. Santos, 2212 E17th,  
 Oakland.  
 COST, \$400

(1487) MILVIA & VIRGINIA, Ber-  
 keley. Repairs to school.  
 Owner—Board of Education, 2133 All-  
 ston Way, Berkeley.  
 Architect—None.  
 Day's work. COST, \$5000

(1488) COR. MENDOCINO AVE AND  
 Indian Rock Path, Berkeley. Two-  
 story 8-room dwelling.  
 Owner—Herbert F. Kern, 2064 Los



Angeles Ave., Berkeley.

Architect—None.

Day's work. COST, \$4800

(1489) NO. 2125 LE CONTE AVE., Berkeley. Alter dwelling.  
Owner—Benj. Ide Wheeler, Berkeley.  
Architect—None.  
Contractor—Wm. Livingston, 2918 Ellis, Berkeley.  
COST, \$3000

(1490) EIGHTH 250 from Delaware, Berkeley. One-story 2-room dwlg.  
Owner—Axel Moberg, 925 Delaware, Berkeley.  
Architect—None.  
Day's work. COST, \$500

(1491) E MARSHALL 36, 72, 108, 144 180, 216 and 252 N Ogden, Oakland. Seven one-story 5-room dwellings.  
Owner—C. M. MacGregor, 470 13th, Oakland.  
Architect—None.  
Day's work. COST, \$2850 each

(1492) NE FIFTY-NINTH & MARSHALL, Oakland. One-story 5-room dwelling.  
Owner—C. M. MacGregor, 470 13th, Oakland.  
Architect—None.  
Day's work. COST, \$2775

(1493) S FIFTEENTH 150 E Broadway, Oakland. One-story brick restaurant.  
Owner—Realty Syndicate Co., Syndicate Bldg., Oakland.  
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.  
Contractor—H. M. Forstholt, 6457 Colby, Oakland.  
COST, \$18,000

(1494) S LAKE PARK AVE 127 E Lakeshore Ave., Oakland. Two-story 18-room apartments.  
Owner—H. W. Haler, 559 16th, Okd.  
Architect—None.  
Day's work. COST, \$10,000

(1495) NE FOURTEENTH & BROADWAY, Oakland. Alter five-story bank and office building.  
Owner—Central National Bank.  
Architect—None.

Contractor—S. Kulchar & Co., 8th Ave and E-10th, Oakland.  
COST, \$5000

(1496) SIXTY-SECOND AND SAN PABLO AVE., Oakland. Two one-story 5-room schools.  
Owner—City of Oakland.  
Architect—None.  
Contractor—John R. Faulkes, 9828 E-14th, Oakland.  
COST, \$1200 each

(1497) SIXTIETH AND SHATTUCK AVE. Three one-story 1-rm schools.  
Owner—City of Oakland.  
Architect—None.  
Contractor—John R. Faulkes, 9828 E-14th, Oakland.  
COST, \$1200 each

(1498) N SEVENTH 100 E Union, Oakland. One-story store.  
Owner—Burton Spicer, 1308 7th, Okd.  
Architect—None.  
Contractor—John Carson, 22 Yosemite, Oakland.  
COST, \$1500

(1499) NO. 1324 FIFTIETH AVE., Oakland. Addition.  
Owner—H. Dahl, Premises.

Architect—None.

Day's work. COST, \$1000

(1500) NO. 1309 NINETY-FIFTH AV Oakland. Alterations.  
Owner—Mrs. Luits, 1307 95th Ave., Oakland.  
Architect—None.  
Contractor—W. J. Hanner, 1307 89th Ave., Oakland.  
COST, \$400

(1501) E CURTIS 280 N University Ave., Berkeley. One-story 5-room dwelling.  
Owner—D. A. Landregan, 1111 San Pablo Ave., Albany.  
Architect—None.  
Day's work. COST, \$1500

(1502) NO. 1428 UNION, Alameda. Garage.  
Owner—J. S. Wallace, Cr. Contractor  
Architect—None.  
Contractor—J. S. Mallock, 110 Jessie, San Francisco.  
COST, \$400

(1503) NW NINETY-SIXTH AVE & E-14th, Oakland. Plumbing and gas fitting for two-story brick and concrete bank.  
Owner—Bank of San Leandro.  
Architect—W. H. Weeks, 75 Post, San Francisco.  
Contractor—Scott Co., 243 Minna St., San Francisco.  
Filed July 16, '19. Dated July 14, '19.  
As work progresses..... 75%  
Usual 35 days..... 25%  
TOTAL COST, \$4516  
Bond, \$2258. Surety, New Amsterdam Casualty Co. Limit, 175 days. Forfeit, \$25. Plans and specifications filed

(1504) EXCAVATION, FOUNDATION and concrete work, reinforcing steel, mill work, lumber, steel, glass and glazing, sheet metal work, etc., on above.  
Contractor—A. Knowles, Call Bldg., San Francisco.  
Filed July 16, '19. Dated July 14, '19.  
Twice a month..... 85%  
Usual 35 days..... 15%  
TOTAL COST, \$36,850  
Bond, \$18,425. Surety, American Indemnity Co. Limit, 200 days. Forfeit, \$25. Plans and specifications filed.

(1505) PAINTING ON ABOVE.  
Contractor—Frank Bradbury, 3604 E-10th St., Oakland.  
Filed July 16, '19. Dated July 15, '19.  
As work progresses..... 75%  
Usual 35 days..... 25%  
TOTAL COST, \$1100  
Bond, none. Limit, 175 days. Forfeit, \$10. Plans and specifications filed.

(1506) ROOFING ON ABOVE.  
Contractor—J. W. Bender Roofing & Paving Co., Monadnock Bldg., S.F.  
Filed July 16, '19. Dated July 15, '19.  
As work progresses..... 75%  
Usual 35 days..... 25%  
TOTAL COST, \$568  
Bond, none. Limit, 125 days. Forfeit, none. Plans and specifications filed.

(1507) S CENTRAL AVE 110 E Park E 39-6XS 180, Alameda. All work for one-story brick garage.  
Owner—Clement Bonnemazou, Ala.  
Architect—None.  
Contractor—H. W. Schnebly and J. T. Hostrawser, 6th and Jackson Sts., Oakland.  
Filed July 16, '19. Dated July 15, '19.

Brick walls to height of trusses 3/4  
zRoof completed ..... 3/4  
Completed ..... 3/4  
Usual 35 days ..... 3/4  
TOTAL COST, \$10,463  
Bond, none. Limit, 45 days. Forfeit, plans and specifications, none.

(1508) SW BENVENUE AVE AND Stuart, Berkeley. All work for two story frame apartments.  
Owner—Margaret Jane Hazlett, Bkly. Architect—None.  
Contractor—Louis Engler, 2435 College Ave., Berkeley.  
Filed July 16, '19. Dated July 15, '19.  
Flame up (as given)..... \$3400  
Interior plastered..... 3400  
Usual 35 days..... 3450  
TOTAL COST, \$13,650  
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(1509) NO. 13 1 WASHINGTON, Oakland. Alter store.  
Owner—Arthur Ramoge Co., Prem. Architect—None.  
Contractor—S. Kulchar & Co., 8th Ave. and E-10th, Oakland.  
COST, \$5000

(1510) W MICHELL 245 and 276 N E-14th, Oakland. Two one-story 3 room dwellings.  
Owner—Theo. Gier, 270 Grand Ave., Oakland.  
Architect—None.  
Contractor—Fred G. Koenig, 445 Oakland Ave., Oakland.  
COST, \$2400 each

(1511) E EVAN AVE 45 S Everett, Oakland. One-story 7-room dwlg.  
Owner—H. L. Houch, 4555 Park Blvd., Oakland.  
Architect—None.  
Day's work. COST, \$4000

(1512) N BROOKDALE AVE 275 and 296 E Kingsland, Oakland. Two 1-story 4-room dwelling.  
Owner—Mrs. M. Owen, 577 40th Ave., Oakland.  
Architect—None.  
Contractor—E. O. Francis Co., 4315 E-12th, Oakland.  
COST, \$1925 each

(1513) W ROSEDALE AVE 120 N Mera, Oakland. One and one-half-story 6-room dwelling.  
Owner—August Meny, 2734 Greenwich, San Francisco.  
Architect—None.  
Day's work. COST, \$3000

(1514) S SAN SEBASTIAN AVE 100 E Elsinore, Oakland. One-story 5-room dwelling.  
Owner—J. Van Gundy, Oakland.  
Architect—None.  
Contractor—C. E. Burks, 4152 Randolph Ave., Oakland.  
COST, \$3000

(1515) E JONES AVE 125 S "D." Oakland. Alterations to dwelling.  
Owner—P. B. Pidretti.  
Architect—None.  
Contractor—Bellefontaine & Higgins, 6712 Flora, Oakland.  
COST, \$2300

(1516) E KENNEDY 300 N Dennison, Oakland. Alterations.  
Owner—A. Silva, 1070 Kennedy, Okd.  
Architect—None.  
Contractor—L. Santos, 2212 E-17th, Oakland.  
COST, \$800

(1517) NO. 531 BRUSH, Oakland.  
Repairs.  
Owner—Capt. Carson, Premises.  
Architect—None.  
Contractor—Champion Bros., 5222  
Dover, Oakland.

COST, \$400

(1518) E FORTY-FIRST AVE 320 N  
Foothill Blvd., Oakland. One-story  
5-room dwelling.  
Owner—Jas. P. Jensen, 5615 E-16th,  
Oakland.

Architect—None.

Contractor—J. C. Nielsen, 849 Athens  
Ave., Oakland.

COST, \$4600

(1519) E FORTY-FIRST AVE 125 S  
San Carlos Walk, Oakland. Alterations.  
One-story 5-room dwelling.

Owner—E. M. Marquis, 2827 Russell,  
Berkeley.

Architect—None.

Day's work.

COST, \$2000

(1520) NW SIXTEENTH AND SAN  
Pablo Ave., Oakland. Alterations.  
Owner—A. Smith, Premises.

Architect—None.

Contractor—C. D. Vezey, Plaza Bldg.,  
Oakland.

COST, \$500

(1521) NO. 1222 BROADWAY, Oak-  
land. Alterations.

Owner—J. S. Edwards, Premises.

Architect—None.

Contractor—John Anderson, 874 34th,  
Oakland.

COST, \$500

### COMPLETION NOTICES.

#### Alameda County.

Recorded Accepted  
July 11, 1919—NO. 3408 FOUR-  
teenth Ave being E 14th Ave 30  
S Hopkins, Okd. Perry Baird to  
William B Bell.....July 10, 1919  
July 15, 1919—W LAKESHORE AV  
245 E Lake Park Ave, Okd. L B  
Hoge to Fred J Westlund.....  
.....July 12, 1919

### BUILDING CONTRACTS.

#### Santa Clara County.

COTTAGE, ETC.  
SW FOURTEENTH & SAN CARLOS  
Sts., San Jose. All work for one-  
story frame cottage and garage.

Owner—Louise S. Plummer, Los  
Gatos, Cal.

Architect—Charles S. McKenzie,  
San Jose.

Contractor—J. E. Perkins, San Jose.

Filed July 14, '19. Dated July 9, '19.

Concrete foundation complete  
and frame work story high. \$1668.75

Buildings enclosed, roofed and  
ready for plastering..... 1668.75

1st coat plastering on inside  
of building..... 1668.75

House & garage completed 1668.75

Usual 35 days..... 2225.00

TOTAL COST, \$8900.00

Bond, \$4500. Sureties, A. L. Hubbard  
and James H. Pierce. Limit, 100  
working days. Forfeit, none. Plans  
and specifications filed.

### BUILDING CONTRACTS.

#### San Mateo County.

W SANTA BARBARA about 150 S

Knowles Ave., Lot 41 Blk 3, Vista  
Grand Tract, Daly City. Grading,  
cement work, carpenter work,  
plumbing, painting, electrical work,  
etc., for two-story frame residence.  
Owner—Louis Heinn, 328 Santa Bar-  
bara St., Daly City.

Architect—Henry C. Smith, 785 Mar-  
ket St., San Francisco.

Contractor—H. H. Smith, Daly City.  
Filed July 15, '19. Dated July 14, '19.

Frame up.....\$1046

Brown coated..... 1046

Completed..... 1046

Usual 35 days..... 1051

TOTAL COST, \$4189

Bond, \$4189. Sureties, Chas. M. Sharp  
and Isaac Whaley. Limit, 90 working  
days. Forfeit, none. Plans and spec-  
ifications filed.

EMERALD LAKE, Redwood City. All  
work for frame garage and sleep-  
ing rooms.

Owner—Mrs. C. Cosner.

Architect—None.

Contractor—B. G. Zimman.

Filed July 16, '19. Dated July 16, '19.

Completed.....\$1985

TOTAL COST, \$1985

Bond, limit, forfeit, none. Plans and  
specifications filed.

PESIDENCE  
LOT 14 BLK 21 East Sub. No. 2, Bur-  
lingame. All work for one-story  
frame residence.

Owner—J. W. Lowe.

Architect—Chas. E. J. Rogers, Phelan  
Bldg., San Francisco.

Contractor—W. O. Nicolardes, San  
Mateo, Cal.

Filed July 15, '19. Dated June 30, '19.

Frame completed.....\$760

Finish plaster completed..... 760

Building completed..... 760

Usual 35 days..... 760

TOTAL COST, \$3040

Bond, none. Limit, 60 working days.  
Forfeit, not to exceed \$10 per day.  
Plans and specifications filed.

### BUILDING CONTRACTS.

#### Sacramento County.

ALTERATIONS  
NO. 1326-28 P ST., Sacramento. Alter  
building.

Owner—Mrs. L. T. Black, Sacramento

Architect—None.

Contractor—C. Vanini, 2202 M St.,  
Sacramento.

COST, \$1600

### COMPLETION NOTICES.

#### San Mateo County.

Recorded Accepted  
July 17, 1919—LOT "G" BLK 2,  
Burlingame Terrace. D Houle to  
D Houle.....July 17, 1919

### BUILDING CONTRACTS.

#### Fresno County.

N ½ LOTS 13-16 BLK 14. Fresno  
Home Builders Palm Villa Tract.

Fresno. All work for frame dwell-  
ing and garage.

Owner—Fresno Home Builders, 923  
Santa Fe St., Fresno.

Architect—None.

Contractor—F. A. Stone, 304 Mason  
Bldg., Fresno.

Filed July 10, '19. Dated, .....  
Roof on ..... ¼  
Plastered ..... ¼  
Completed ..... ¼  
Usual 35 days ..... ¼

TOTAL COST, \$4400

Bond, \$2200. Sureties, G. A. Adams  
and J. A. Venard. Limit, 60 days

Forfeit, none. Plans and specifications  
filed.

LOTS 39, 40, 41, AND 42 Park Place,  
Fresno. Two dwellings and garages

Owner—K. C. Buwalda, 3411 Ventura  
St., Fresno.

Architect—None.

Day's work. COST, \$2850 and \$3950

LOADING SHED  
SANTA FE RESERVATION, Fresno.

Loading shed.

Owner—E. Y. Foley, 608 Rowell Bldg.,  
Fresno.

Architect—None.

Day's work. COST, \$1200

LOT 4 BLK 25 Alta Vista Tract,  
Fresno. Dwelling and garage.

Owner—J. R. Benedict, Fresno.

Architect—None.

Contractor—C. V. Smith, 1005 J St.,  
Fresno.

COST, \$3850

LOT 32 BLK 1, Bloomington Park  
Tract, Fresno. Frame dwelling.

Owner—M. C. R. Nelson, 1245 I St.,  
Fresno.

Architect—None.

Day's work. COST, \$8700

### COMPLETION NOTICES.

#### Fresno County.

July 8, 1919—W ½ LOT 32, LOT 33,  
E ½ of Lot 34, North Park Ter-  
race, Fresno. J M Buswell et  
ux to whom it may concern.....  
.....June 1, 1919

July 10, 1919—LOTS 33 TO 36 BLK  
66, East Fresno. J R Ward to  
whom it may concern.....June 30, 1919

July 10, 1919—SEC 33, 19-15, Oil  
Well No. 72, Fresno. Southern  
Pacific Co to whom it may concern.....  
.....July 9, 1919

July 11, 1919—LOT 13 BLK 4, Wash-  
ington Heights, Fresno. H M Dart  
to whom it may concern.....July 10, '19

July 12, 1919—LOTS 27 TO 30 BLK  
142, Fresno. Western Meat Co to  
whom it may concern.....June 10, 1919

### COMPLETION NOTICES.

#### San Joaquin County.

Recorded Accepted  
July 7, 1919—LOT 5 BLK "H" Mc-  
Cloud Addition, Stockton. J A

Nesbitt to H J Le Blanc.....July 7, 1919

July 10, 1919—E ½ LOT 2 in Sub 4,  
Stockton Acres. Clara E Keidel  
to T E Williamson.....July 10, 1919

### LIENS FILED.

#### San Joaquin County.

Recorded Amount  
July 5, 1919. LOT 9 BLK 15, Tuxedo  
Park, Stockton. H E Hendrix vs

Jane Doe Coover .....\$56.70

**BRIDGE REPAIR PLANS ORDERED**

YUBA CITY, Sutter Co., Cal.—County Surveyor Edward Von Geldern has been instructed by the Board of Supervisors to draw up plans and specifications for repairing the approach to the Feather River bridge.

**PAVING CONTRACT AWARDED.**

OXNARD, Ventura Co., Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, submitted the lowest bid and was awarded the contract at about \$250,000 for the improvement of various city streets, involving approximately 8500 lin. ft. of paving with 4-in. concrete base and 1½-in. asphalt concrete surface 60 ft. wide; 9000 lin. ft. paving with 4-in. bituminous base with 1½-in. asphalt concrete surface 50 ft. wide; cement curbs and gutter on both sides of streets and 7 corrugated iron and concrete culverts. Bids were also submitted by the Federal Construction Co. of San Francisco; Bryant & Austin, Inc., of Los Angeles, and Hugh Crummy of San Francisco. S. G. Bennett, City Engineer; E. M. Lynch, Central Bldg., Los Angeles, Consulting Engineer.

**STREET WORK PLANNED.**

SAN RAFAEL, Marin Co., Cal.—The City Council is contemplating the improvement of Tamalpais avenue. The Street Committee has been instructed to confer with the property owners with a view of having the work done by private contract.

**STREET WORK PLANNED.**

MERCED, Merced Co., Cal.—The City Board of Trustees have passed resolutions of intention providing for the following work:

That the alley in block 106 be graded, curbed with concrete curbs, paved with a hydraulic cement concrete base.

That the alley in Block "A" be graded, curbed with concrete curbs, paved with a hydraulic cement concrete base, and that drains with manholes of concrete and cast iron be constructed therein. J. D. Wood is City Clerk.

**ROAD AND BRIDGE CONTRACTS AWARDED.**

YREKA, Siskiyou Co., Cal.—At the last meeting of the County Supervisors two bids were received for building Bear Creek road, as follows: Rufus Brain, \$4390 and L. W. Cousins, \$4800. Awarded to Brain.

E. K. Loosley submitted the only bid for building the Selad bridge at \$6145, and he was awarded the contract.

**ELECTROLIER SYSTEM BIDS WANTED.**

FRESNO, Fresno Co., Cal.—The City Council will receive bids up to July 21st, 5 P. M., for the following work:

That an electrolier system with reinforced concrete electroliers be installed and established on Van Ness avenue from Tuolumne street to Divisadero street, and on North Van Ness avenue from Divisadero street to University avenue.

Chas. Dillon is City Clerk.

**PREPARING PLANS FOR BRIDGE.**

PASADENA, Los Angeles Co., Cal.—Assistant City Engineer E. P. Dewey is preparing plans for a reinforced concrete bridge across the Arroyo Seco in the southern part of the city, making a direct route to San Rafael Heights. The bridge will cost about \$60,000.

**HIGHWAY BONDS.**

PHOENIX, Ariz.—The \$4,000,000 good roads bond issue of Maricopa County voted to build 278 miles of paved highway, were sold to Graves, Blanchett & Thornburgh of Toledo, Ohio, at a premium of \$320,500. The highway commission is now fully organized and surveys are under way.

**STREET WORK PLANNED.**

MODESTO, Stanislaus Co., Cal.—At the last meeting of the City Council plans and specifications and a resolution of intention were adopted for the paving of Downey avenue from H street to a point 249 feet east of McHenry avenue.

**STREET WORK BIDS WANTED.**

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, will receive bids up to July 31st, 12 M., for the following work:

That 87th avenue, from Birch street to Auseon's Moss Tract, be graded, curbed with redwood, guttered with concrete gutters, and paved with oil-macadam; also

That two wooden culverts be constructed; corrugated and concrete culverts be constructed.

(26962) 1st report Mar. 26; 3rd June

**ROAD ESTIMATE SUBMITTED.**

REDWOOD CITY, San Mateo Co., Cal.—County Surveyor George A. Kneass at the last meeting of the Supervisors submitted a report to the Board on the cost of repairing a portion of the new road from San Gregorio to Tunitas. Kneass stated that about one-half of the stretch was in very bad condition and must be rebuilt and estimated the cost, including the construction of numerous drains along the road at \$3900.

**BRIDGE BIDS WANTED.**

NAPA, Napa Co., Cal.—The County Board of Supervisors, James A. Daly, County Clerk, will receive bids up to August 13th, 10 A. M., for the construction of four reinforced concrete bridges located as follows: One at Walnut Creek, one at Nigger Creek and one at Steels Canyon Creek, all in Road District Number 4, and one near the Fly District school house in Road District Number 1.

**BRIDGE PLANS ORDERED.**

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors, Henry A. Pfister, Clerk, have instructed the County Engineer to prepare plans and specifications for bridge on Alum Rock avenue near Mount Hamilton road.

**HARBOR BOARD WANTS PAVING BIDS.**

SAN FRANCISCO.—Bids will be received by the Board of Harbor Commissioners, Frank G. White, Chief Engineer, Ferry Bldg., up to July 31st, 11 A. M., for paving portions of The Embarcadero along Sections 2 and 3 of the Seawall.

The work consists in furnishing materials and labor for constructing 49,550 sq. ft. of 2½-inch Bituminous Concrete Pavement on Standard Concrete Base; 3540 sq. ft. of 2½-inch Bituminous Concrete Pavement on Special Concrete Base, and 1440 sq. ft. Basalt Block Pavement on Standard Concrete Base.

**STREET WORK BIDS WANTED.**

SACRAMENTO, Cal.—Bids will be received by the City Commissioners, M. J. Desmond, City Clerk, up to 11 A. M., July 24th, for the following work:

Improving the alley between "J" and "K" Streets, from the east line of 39th street to a point 359 feet E therefrom, by constructing a vitrified iron-stone pipe sewer with wye branches attached; concrete manhole complete; and placing 1 6-inch vitrified iron-stone flusher branch, and improving the alley first east of Thirty-ninth Street, from the N line of "K" St. to a manhole to be constructed 176 feet N of the N line of "K" Street, the same as above.

**COUNTY ROAD WORK PLANNED.**

FRESNO, Fresno Co., Cal.—Owing to the present road to Shaver Lake being 100 feet under water when the new Southern California Edison Co. dam is built, the Fresno County Supervisors has instructed County Engineer Chris. Jensen to lay out a new road.

### PLAN IRRIGATION IMPROVEMENTS.

MODESTO, Stanislaus Co., Cal.—The Waterford Irrigation District has sold \$205,000 bonds to Schwabacher Co., of San Francisco to net \$196,000. Of this amount \$26,000 will be spent for extensions and improvements to the irrigating system, and the balance to purchase water priorities on the Tuolumne River.

### CONTRACTS AWARDED FOR SAN FRANCISCO STREET IMPROVEMENTS.

The improvement of Banks street between Cortland and Tompkins avenues by grading; concrete curbs; a 14-foot central strip of vitrified brick pavement; an asphalt pavement; artificial stone sidewalks and brick catchbasins. Awarded to Raisch Improvement Co., 46 Kearny street.

The improvement of Pierce street between Hayes and Fell streets, by the construction of granite curbs, artificial stone sidewalks; an 8-inch vitrified, salt-glazed ironstone pipe sewer with 11 Y branches and 3 brick manholes; a 14-foot central strip of vitrified brick pavement, and an asphalt pavement. Awarded to Fay Improvement Co., Phelan Bldg.

The improvement of Caledonia Alley from Fifteenth street to its northerly termination by the construction of an 8-inch vitrified, salt-glazed, ironstone pipe sewer with 13 Y branches and 2 brick manholes; construction of 3 brick catchbasins; granite curbs; artificial stone sidewalks, and an asphalt pavement. Awarded to Flinn & Treacy, 1st National Bank Bldg.

The improvement of easterly one-half of Thirty-seventh avenue between Irving and Judah streets by the construction of artificial stone sidewalks; concrete curbs and an asphalt pavement. Awarded to Peter McHugh, 3908 Clay street.

### COUNTY HIGHWAY SURVEY BEING MADE.

MARYSVILLE, Yuba Co., Cal.—County Surveyor L. Crook is completing a survey of the proposed highway through District Ten. Complete plans and specifications for the proposed work will be presented to the Supervisors for adoption in the near future.

### HIGHWAY BIDS WANTED.

PHOENIX, Ariz.—Until 2 p. m., July 26, bids will be received by State Engineer Thomas Maddock for constructing 2 miles of the Prescott-Jerome highway beginning at the city

limits of Jerome, involving approximately 58,200 cubic yards excavation, 2500 cubic yards dry rubble masonry, retaining walls, draining structures, etc. Plans and specifications may be obtained from the State Engineer on deposit of \$5.

### LOW BIDDERS FOR PAYING.

LOS ANGELES, Cal.—Peter L. Ferry, 614 Acacia street, Glendale, submitted the lowest bid at about \$156,331 for grading and paving with concrete the highway from Lomita to Wilmington and San Pedro in Municipal Improvement District No. 7. Tryon & Brain submitted the next lowest bid at about \$159,930. Bonds to the amount of \$160,000 have been voted for the work.

### ROAD BONDS.

YUBA CITY, Sutter Co., Cal.—A proposed bond election was discussed here by the Board of Supervisors of Sutter County whereby perhaps 100 miles of concrete highway trunk roads are to be built in the county, as is a considerable mileage of lateral roads to branch off through various districts.

### STREET WORK PLANNED.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has passed resolutions of intention providing for the following work:

That the north side of Cambridge Avenue between Maroa and Wishon Avenues be curbed with cement concrete; sidewalked with artificial stone sidewalks.

That Ventura Avenue from R St. to Santa Fe Avenue be graded; construct cement concrete curb and gutter; corrugated iron culverts, and pavement consisting of a cement concrete base 4 inches thick and a bitulithic wearing surface 1½-in thick.

That Thomas Avenue from Blackstone to San Pablo Avenues be graded cement concrete curbs; artificial stone sidewalk and oiled between curb lines.

That Merced Street from G Street to Kearney Avenue be graded; construct cement concrete curb and gutter; corrugated iron return culverts; connect with storm sewer through street inlet, and paved with pavement consisting of cement concrete base and bitulithic wearing surface.

That Tudare Avenue from First to Sixth Streets be graded; construct cement concrete curb and gutter; corrugated iron cross and return cul-

verts, with manholes; paved with cement base and a bitulithic wearing surface.

That E Street from Fresno to Merced Streets be graded; curbed with concrete curb and gutter, and paved with a pavement consisting of cement concrete base and a bitulithic wearing surface.

### CABLE BIDS WANTED.

OAKLAND, Cal.—Bids will be received by the City Council up to 12 M., July 21st, for removing the existing and furnishing and installing new hoisting elevator cable in Passenger Elevator No. 1 in City Hall.

Specifications may be had from L. W. Cummings, City Clerk.

### STREET WORK PLANNED.

NAPA, Napa Co., Cal.—City Engineer Harrold has been instructed by the Council to prepare a resolution of intention for the improvement of Willow and Raymond avenues and Bell street.

### SEWER WORK PLANNED.

GRASS VALLEY, Nevada Co., Cal.—Bids will be called by the City Board of Trustees within the next few weeks for the construction of a sewer in North Auburn street.

### TO BUILD PIPE LINE.

GRASS VALLEY, Nevada Co., Cal.—The City Trustees have adopted plans and specifications for building the auxiliary pipe line to the city reservoir on Alta Hill.

The work is estimated to cost \$10,000 and bids will probably be called at the next meeting.

### CONCRETE STORM SEWER BIDS WANTED.

FORTUNA, Humboldt Co., Cal.—Bids will be received by the Town Trustees, Geo. R. Lane, Town Clerk, up to August 4th, 6 P. M., for constructing a concrete storm sewer on lower "C" street.

### TWO BIDS RECEIVED FOR CONSTRUCTION OF EAST LEVEE, SUTTER BY-PASS.

SACRAMENTO, Cal.—Two bids for the construction of the east levee of the Sutter by-pass were received by the State Reclamation Board on July 15th. The bidders were: Fred Franks Construction Co., American National Bank Bldg., San Francisco, and Shattuck-Edinger Co., 525 Market

The bids are being tabulated by the Reclamation Department engineers, and exact figures are not as yet available. The board will consider the bids at their next meeting on July 22nd.

**BRIDGE BIDS WANTED.**

NAPA, Napa Co., Cal.—Bids will be received by the County Supervisors up to August 5th, 10 A. M., for the construction of a concrete bridge near the Fly District School House. James A. Daly is County Clerk.

**Oakland Wants Bids For Street and Sewer Improvements.**

OAKLAND, Cal.—Bids will be received by the City Council, L. W. Cummings, City Clerk, up to 12 M., July 24th, for the following work:

That Pleasant street from Champion street to Boston avenue be graded, curbed with redwood, guttered with concrete gutters and paved with oil-macadam; vitrified pipe sewers; brick manholes, "Y" branches, etc., be constructed.

Thea Short street from Penniman avenue to Allendale avenue be graded, curbed with redwood, guttered with concrete gutters, and paved with oil-macadam.

That the SE half of Eighth avenue in the vicinity of E-10th street be graded, curbed with redwood, guttered with concrete gutters, 3 feet wide, and paved with oil-macadam; also that catchbasin; a vitrified pipe conduit, etc., be constructed.

That Fruitvale avenue be graded, curbed with redwood, guttered with concrete gutters, and paved with oil-macadam; cement sidewalk, corrugated iron and concrete culverts, concrete end walls, cast iron inlets, brick storm water inlets, brick manholes, vitrified pipe conduits, etc., be constructed.

**LOW BIDDERS FOR SCHOOL ADDITION.**

MESA, Arizona.—Edwards & Wildey Co., 515 Black Bldg., Los Angeles, submitted the lowest bid at \$77,500 on the general contract for the erection of a brick addition to the high school building at Mesa, Arizona. Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles, is the architect. The low bidders on the other contracts were: L. T. Dale on the plumbing at \$5825; J. J. McNeil on the painting at \$3375, and Doyle on the heating at \$4500.

**SCHOOL ADDITION CONTRACT AWARDED.**

TOMALES, Sonoma Co., Cal.—The Trustees of the Tomales School District have awarded a contract to T. A. MacDougall of Sacramento for the construction of a Manual Training Building addition to the High School. The bid was \$2,035.50.

Hospital Painting Bids Wanted. STOCKTON, San Joaquin Co., Cal.—Bids will be received up to August 5th, 10 A. M., by County Clerk Eugene D. Graham, for painting the different wards and buildings of the San Joaquin County Hospital.

**SCHOOL BONDS.**

SACRAMENTO, Cal.—The Chamber of Commerce has started a campaign urging a \$3,000,000 school bond issue.

**STREET WORK BIDS WANTED.**

SALINAS, Monterey Co., Cal.—Bids will be received by the City Council up to August 4th, 8 P. M., for the following work:

Breaking up and regrading the surface on the present roadway of Gabilan street in Salinas City, from Main street to Monterey street, and making thereon an asphaltic oil macadam surface. M. R. Keef is City Clerk.

**ROAD BIDS REJECTED. NEW BIDS WANTED.**

NAPA, Napa Co., Cal.—At the last meeting of the County Supervisors bids for the construction and repair of roadway in District No. 4 were received as follows:

Harry Thorsen, \$2,885, including cement.

Simon Lenz, \$1,998, including cement.

Frank Gaggero, \$1,582, Napa County to furnish cement.

The bids were rejected and new bids ordered. James A. Daly is County Clerk.

**Street Work Contract Awarded.**

SALINAS, Monterey Co., Cal.—At the last meeting of the City Council bids for the improvement of the cemetery road, Auburn street, Cassidy street, the narrow part of Market street, Abbott street and Archer street were received as follows:

Cemetery road—Granite Rock Co., \$6,778.74; W. A. Dontanville, \$7,103.06. Awarded to Granite Rock Co., Salinas. Market street (narrow part)—Granite Rock Co., \$10,183; W. A. Dontanville, \$10,506. Awarded to Granite Rock Co.

Abbott street—Granite Rock Co., \$2,070; W. A. Dontanville, \$2,130. Awarded to Granite Rock Co.

Auburn street—Granite Rock Co., \$1,515.80; W. A. Dontanville, \$1,443. Awarded to W. A. Dontanville, Salinas. Cassidy street—Granite Rock Co., \$1,515.70; W. A. Dontanville, \$1,443. Awarded to W. A. Dontanville.

Archer street—Granite Rock Co., \$1,229.51; W. A. Dontanville, \$2,170.69. Awarded to W. A. Dontanville.

**CEMENT BIDS WANTED.**

NAPA, Napa Co., Cal.—Bids are being received by the County Supervisors for furnishing and delivering 5,000 barrels of Portland cement. Further information may be had from James A. Daly, County Clerk.

**STREET WORK BIDS OPENED.**

RICHMOND, Contra Costa Co., Cal.—At the last meeting of the City Council J. E. Staniger submitted the low bid for the opening of Eighth street over the Santa Fe railroad. His bid called for \$5,133.09. Other bidders were: L. L. Page, \$5,491.80; Galbraith & Jones, \$6,634.95; S. C. Rogers, \$5,477.59. The awarding of the contract was held over until errors in the estimates are corrected.

**HOSE BIDS WANTED.**

MERCED, Merced Co., Cal.—Bids will be received up to July 21st, 8 P. M., by City Clerk, J. D. Wood for five hundred feet of fire hose and 300 feet of 1½-inch hose. Bidders must submit samples.

**BIDS WANTED FOR SAN FRANCISCO STREET IMPROVEMENT.**

BIDS CLOSE JULY 23, 1919, BET 2 AND 3 P. M.

The improvement of Brunswick St. between Lowell and Whittier streets by grading; construction of concrete curbs; artificial stone sidewalks; 3 brick catchbasins, and an asphaltic concrete pavement.

For further particulars address the Board of Public Works, City Hall.

**OUTFALL SEWER BIDS REJECTED**

HOLTVILLE, Imperial Co., Cal.—All bids received for construction of the proposed outfall sewer were rejected as too high and the plans will be revised and new bids will be taken.

**SEWER CONTRACT AWARDED.**

STOCKTON, San Joaquin Co., Cal.—The City Council, G. W. Pulich, City Clerk, has awarded a contract to E. A. Burns, Stockton, on his bid of \$16,805.52, for the following work:

That a system of lateral sewers with house branches, etc., be constructed in Fair Oaks avenue, East Lafayette street, East Sonora street, East Church street, East Mormon street, East Scott street, East Taylor street, East Worth street, McDonnell avenue, Sharon avenue and Burkett avenue in portion of "Searchlight" addition.

**STREET WORK PLANNED.**

OAKLAND, Cal.—The City Council has passed a resolution of intention providing for the following work:

That Bromley avenue from 62nd avenue to Seminary avenue be graded, curbed with redwood, guttered with concrete gutters, and paved with oil-macadam.

#### COUNTY HIGHWAY BONDS.

STOCKTON, San Joaquin Co., Cal.—The Supervisors are planning a bond issue of \$400,000 with which to finance construction of county highways. County Engineer Quail states there is not sufficient funds in the county treasury to pay for the work now planned by the County Board.

#### PROPOSALS WANTED FOR FURNISHING UNDERGROUND CABLE.

Sealed Proposals for furnishing underground cable for fire alarm system required by the Department of Electricity will be received by the Board of Supervisors of the City and County of San Francisco, and opened in public session of said Board on Monday, August 4, 1919, at 3 o'clock P. M.

Proposal blanks containing specifications and conditions furnished on application. J. S. DUNNIGAN, Clerk.

Room 235, City Hall.

#### BIDS WANTED FOR PUMPING ENGINES FOR FIRE DEPARTMENT.

Office of the Board of Fire Commissioners, San Francisco, Cal., July 15, 1919.

Sealed proposals will be received on Wednesday, August 13, 1919, between the hours of 8:00 and 8:30 p. m., for furnishing, testing and delivering one or more gasoline Motor-Driven Pumping Engines, for use in the San Francisco Fire Department, in strict accordance with the specifications and conditions prepared by the Board of Fire Commissioners, on file, and copies of which may be obtained at the office of said Board, City Hall, San Francisco, Cal.

BOARD OF FIRE COMMISSIONERS,  
FRANK T. KENNEDY,  
Secretary.

#### ELECTROLIER SYSTEM PLANNED.

MODESTO, Stanislaus Co., Cal.—City Electrician W. I. Carpenter has recommended to the Council that \$2,000 be allowed in the budget with which to finance construction of the electrolier system in the residence district.

#### BONDS FOR WATER DISTRIBUTING SYSTEM.

LOS ANGELES, Cal.—The City Council has called an election in the Westgate District for August 13 to vote on issuing \$700,000 bonds for

constructing a water distributing trunk line.

#### PLAYGROUND EQUIPMENT BIDS WANTED.

MODESTO, Stanislaus Co., Cal.—Bids will be received by the City Council, W. O. Thompson, City Clerk, up to 7:30 P. M., August 13th, for the following playground equipment:

One outfit described as Outfit No. E-900 in page 35 of the Everwear Catalogue or its equal.

Two outfits described as Outfit No. E-125 on page 34 of the Everwear Catalogue or their equal.

One Steel Slide described as No. B-307 on page 4 of the Everwear Catalogue or its equal.

One Giant Stride described as No. B-1 on page 14 of the Everwear Catalogue or its equal.

One Horizontal Ladder described as No. B-305 on page 32 of the Everwear Catalogue or its equal.

One Combination described as Combination No. IP-10 on page 30 of the Everwear Catalogue being 12 feet high, and including Ladder, Sliding Poles and frame, or its equal.

The above outfits are to be complete in every particular and installed, properly, in the Parks of the City of Modesto, California, under the supervision and to the satisfaction of the Park Commission. The location is to be determined by the Park Commission of said City.

#### SCHOOL BONDS.

YREKA, Siskiyou Co., Cal.—Bids will be received by the County Supervisors up to July 26th, 10 A. M., for the purchase of the \$15,000 bond issue of the Summit School District. (28238) 1st report June 23, 1919.

#### OAKLAND SCHOOL BOARD WANTS FURNITURE BIDS.

OAKLAND, Cal.—Bids will be received by Dan W. Pratt, Secretary of the Oakland High School District, Room 1101, City Hall, Oakland, up to 4:30 P. M., July 28th for furnishing and delivering school furniture.

#### NAVAL ARCHITECTURE TO BE SCHOOL COURSE.

WASHINGTON, D. C.—Schools of naval architecture and ship construction may soon become important branches of educational institutions of the United States if this nation continues its headway in maritime strength. Fourteen universities and technical colleges have signified their interest in a line of instruction that was decadent almost to the point of

extinction when the needs of war presented a demand for ships that could not be denied, and some of them have already established courses in naval architecture, marine engineering and ship construction, while others are planning similar action.

#### PLAN LOCK MAKING PLANT FOR FRESNO.

FRESNO, Cal.—C. F. Buckland of the Flower Manufacturing Company states that a large plant will be erected in Fresno for the manufacture of the Motor-meter lock, an invention of W. A. Flower of Fresno. A telegram received recently from Flower, who is in New York, states that he has let the sales agency in 32 states east of the Mississippi. The initial order of the agency will amount to \$64,000. The Motor-meter locks will be manufactured in the East until the Fresno plant is erected.

#### SACRAMENTO ENGINEER BACK FROM FRANCE.

SACRAMENTO, Cal.—W. B. Gibson, formerly superintendent of the Kenyon & Whitman Construction Company, has returned to Sacramento, after having served more than 16 months with the American expeditionary forces, during which time he saw active service in the St. Mihiel salient and was commissioned a captain.

Gibson, who had been employed here for many years prior to his enlistment, was well known throughout the Sacramento valley. He received his preliminary education in Woodland, where his home now is. While in France Gibson was attached to the 38th engineers.

#### Los Angeles Architect Moves to Modesto.

MODESTO, Cal.—George W. Harding, Los Angeles Architect, who designed the municipal pier at Redondo Beach, is now associated with Albert J. Mazurette, architectural engineer. Harding is supervising architectural work on the new Maria Hewel garage building now under course of construction at Tenth and G Streets.

#### PLANS FOR GRADE LOWERING ORDERED.

SACRAMENTO, Cal.—The City Commissioners have instructed City Engineer Frank C. Miller to prepare plans and specifications for the lowering of the grade on Twenty-first street at the approach to the Y street levee. Miller estimated the cost at \$3000.

**ROAD AND TRESTLE BIDS OPENED**

SEATTLE, Wash.—The following bids were received by the King County Commissioners for the construction of the Bellevue-Newport road,  $3\frac{1}{2}$  miles in length and including the construction of a 2500-foot road trestle:

Hansen & Hauge.....	\$76,800
J. W. Hoover & Co.....	89,047
Hans Pedersen.....	89,250
Robt. A. Sloane.....	96,000

All bids were taken under advisement.

**BIDS REJECTED FOR TULARE SCHOOLS.**

TULARE, Tulare Co., Cal.—The two bids received by the School Board for the construction of two school buildings, from plans prepared by Architect J. R. Henderson of Tulare, Cal., have been rejected and new bids have been ordered received up to July 31st.

The bids were: A. M. Rumley, a Tulare man, offering to erect one building for \$36,138, or two for \$72,276. The other bid came from Berkeley & Gould of Fresno. It was \$34,410 for one building, or \$68,820 for the two.

Plans are on file at the office of the Daily Pacific Builder, 560 Mission St., San Francisco.

**SELECT MANAGER FOR IMPROVEMENTS AT CATALINA ISLAND.**

AVALON, Los Angeles Co., Cal.—D. M. Renton, of Pasadena has been appointed general operating manager of the Santa Catalina Island Co., and will have charge of all construction operations for the company on the island under the direction of David Blankenhorn, president, and Wm. Wrigley, Jr., chairman of the board.

**LUMBER BIDS WANTED.**

STOCKTON, San Joaquin Co., Cal.—Bids will be received up to July 31st, 4 P. M., by Ansel S. Williams, Secretary of the Board of Education, Washington School Building, Stockton, for general athletic supplies and lumber for the Stockton Schools. A \$20 certified check will cover bid.

**COUNTY HIGHWAY BIDS WANTED.**

MARTINEZ, Contra Costa Co., Cal. Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to August 4th, 11 A. M., for furnishing materials and labor and placing an one and one-half inch asphaltic wearing surface on the concrete road and building oiled macadam shoulders on Division No. 4 of the County Highway System which

extends from the west line of the City of Antioch to the east line of the City of Pittsburg, a distance of 3.7 miles.

**SEWER BIDS WANTED.**

REDWOOD CITY, San Mateo Co., Cal.—Bids will be received by the Board of Trustees, W. A. Price, County Clerk, up to July 30th for the following work:

Constructing complete an outfall sewer system with pumping plant, beginning at center line of Main street at southerly property line of Bradford street and extending along Steinberger street paralleling old outfall sewer now in place, to Steinberger slough.

**MARE ISLAND STRUCTURAL SHOP BIDS TO BE CALLED SHORTLY.**

Plans and specifications are now about ready at the bureau of yards and docks, Navy Department, for the completion of the structural shop at Mare Island, the estimate cost of which is \$448,000. While the call for bids has not yet been issued copies of the plans may be had on deposit of \$10. The work is provided for under Specification No. 3719.

**SCHOOL CONTRACT AWARDED.**

COVINA, Los Angeles Co., Cal.—Wopschall Bros., 100 E. Colorado St., Pasadena, were awarded the general contract at \$106,243 for the erection of a new grammar school building at Covina in accordance with plans and specifications prepared by Architect John C. Austin, 1125 Baker-Detwiler Bldg.

The plumbing contract was awarded to J. Hokom at \$6547; roofing to C. L. Passmore at \$5250; and electric wiring to Winder & Jones, Covina, at \$4216. The bids for painting, heating and program clock system were rejected and new bids will be taken.

**PANAMA CANAL BIDS WANTED.**

PANAMA CIRCULAR 1289—Office of the General Purchasing Offices, Panama Canal, Washington, D. C.—Sealed bids are wanted until August 4, 1919, under circular 1289 for steel, castings, brass, copper, copper screenings, wire rope, steel and copper wire, bolts, nuts, rivets, screws, washers, steel filing cabinets, iron or steel water buckets, hose clamps, cocks, files, grommets, jacks, shovels, hasps, hinge, latches, locks, lanterns, marine lights, oars, marine signals, snatch and tackle blocks, fire brick, roofing cement, rubber gaskets, ax, hammer and file handles, water coolers, brass knobs, dustpans, wooden chair seats, sextants, china and glassware, carving knives, safety matches, paper napkins, aluminum and tinned ware,

linens, towels, gasoline, bridge ties and lumber. For further information address the above office.

**APPLICATION FOR COUNTY ENGINEER OFFICE FILED.**

NAPA, Napa Co., Cal.—The Napa County Supervisors have received an application from E. H. Hatch of Oakland, for the position of County Engineer.

The application was considered at the last meeting of the Board, but no action was taken.

**ROAD BIDS OPENED.**

PORTLAND, Ore.—The following bids were received by C. H. Pureell, District Engineer for the Bureau of Roads of the Department of Agriculture:

McKeuzie Pass Road, Oregon.	
Pacific Bridge Co., Portland,	\$252,452.75.
A. Giebisch, Portland,	\$278,871.15.
Sims & Carlson, Spokane,	\$224,474.
McClellan Pass Road, Washington.	
Hans Pedersen, Sattle,	\$303,816.
Everett Constr. Co., Everett, Wash.,	\$423,760.

It is expected that recommendations will be made to Washington and if bids are satisfactory contracts let to low bidders.

**IRRIGATION BONDS.**

MANTECA, San Joaquin Co., Cal.—Bonds of \$500,000 have been voted for improvements in the South San Joaquin Irrigation District.

**STREET WORK PLANNED.**

REDDING, Shasta Co., Cal.—The City Council has decided to gutter, curb and pave Market Street from Trinity to Hill Streets.

Bids will be called for immediately.

**PAVING CONTRACT AWARDED.**

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$88,807 for grading and paving portions of India and other streets through Old Town to the San Diego river bridge. A 5-in. concrete base with  $1\frac{1}{2}$ -in. bitulithic surface will be laid.

**SEWER CONTRACT AWARDED.**

REDWOOD CITY, San Mateo Co., Cal.—The City Trustees, W. A. Price, City Clerk, have awarded a contract to Dreyfus Bros., 525 Market street, San Francisco, for the construction of the new sewer in Maple street, they having submitted the lowest bid. (27895) 1st report June 6, 2nd June

**TO CALL BRIDGE BIDS.**

EUREKA, Humboldt Co., Cal.—On completion of plans by County Surveyor A. J. Logan bids for bridge work will be called by the County Clerk as follows:

A new 82 foot span in the bridge across the North Fork of Mad River at Korbrel.

For retimbering of the steel bridge across the Mattole river near Petrolia, and for a new bridge across Singley creek at the Ocean House.

**BIDS WANTED FOR ROAD WORK.**

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors, Henry A. Pfister, County Clerk, will receive bids up to August 4th, 11 A. M., for the following road projects:

For the improvement of King road in Supervisor District No. 2.

For the resurfacing of Senter, Story, Tully, King and Aborn roads in Supervisor District No. 2.

For the improvement of Hoffman Road, in Supervisor District No. 4.

**STREET WORK PLANNED.**

SANTA CRUZ, Santa Cruz Co., Cal.—At the last meeting of the City Commissioners a resolution of intention to widen River street from Mission to Bulkhead street was presented. Action was laid over until a later meeting.

The City Engineer has been instructed to prepare plans and specifications for the improvement of Seabright avenue from Sequel avenue to East Cliff drive.

**Contract For Bridge Approach Work Let.**

WATSONVILLE, Santa Cruz Co., Cal.—The Board of Aldermen has awarded a contract to the Granite Rock Co., of Salinas, for paving the approach to the Main street bridge on their bid of 12½ cents per sq. ft. for macadam and 2½ cents for oiling.

**LOW BIDDERS FOR SCHOOL.**

COVINA, Los Angeles Co., Cal.—The Los Angeles Construction Co., 431 Douglas Bldg., Los Angeles, submitted the lowest bid at \$122,552 on the general work for the erection of a new grade school building for Covina Grammar School District, plans for which were prepared by Architect John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles. John Hokom, 4312 Moneta avenue, submitted the lowest bid at \$10,446 on the plumbing; the Pacific Gas Radiator Co., at \$3800 on the heating; Wormell & Drawbaugh, Pasadena, at \$8500 on the painting and tinting; Winder & Jones, Covina, at \$5424 on the electric wiring

and at \$2000 on the electric time clock C. L. Passmore submitted the only bid at \$6450 for the tile roofing. The bids were taken under advisement.

**BIDS WANTED FOR ADDITION TO BRICK SCHOOL.**

DELANO, Kern Co., Cal.—Until 2 P. M., July 26, bids will be received by F. E. Hare, Clerk of the Trustees of the Delano grammar school district at Delano, for erecting a two-room brick addition to the grammar school building, in accordance with plans and specifications by Architect J. M. Saffell of Bakersfield. Certified check for 10% required.

**PAVING BIDS WANTED.**

HOLTVILLE, Imperial Co., Cal.—Until August 13, bids will be received by the City Trustees for the first unit of city paving including Sixth street from the western boundary to the alley east of Holt avenue, Fifth street from Palm avenue to east city boundary and portions of Olive avenue, Palm avenue, Pine avenue, Holt avenue, Fern avenue, Walnut avenue and Maple avenue.

**HARBOR BOARD AWARDS CONTRACT FOR PAVING AND FOLDING GATE.**

SAN FRANCISCO.—The State Board of Harbor Commissioners have awarded the following contracts to the lowest bidders on informal bids received in the past week:

For furnishing materials and laying pavement near the foot of Jones street on the waterfront, to Flynn & Treacy.

For furnishing and erecting a folding iron gate in the Sea Flood Grotto to Michel & Pfeiffer Iron Works.

**Street Work Contract Awarded.**

SACRAMENTO, Cal.—The City Commissioners have awarded a contract to A. Teichert & Son, Ochser Bldg., Sacramento, for the following work:

Improving Sixteenth street from Q to X streets by grading and constructing a pavement consisting of a hydraulic concrete foundation and a bitulithic wearing surface. M. J. Desmond is City Clerk.

**BIDS WANTED FOR PAINTING BRIDGES.**

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the San Joaquin County Supervisors, Eugene D. Graham, County Clerk, up to August 5th, 10 A. M., for painting twenty-nine steel highway bridges in the County of San Joaquin, in accordance with the specifications prepared by County Surveyor F. E. Quail

Bidders will state a lump sum price for each named structure, which price shall include the furnishing of all equipment necessary and labor and material to do the work complete, with the exception of the paint, which will be furnished to the contractor at Stockton, Calif.

Further information may be had from the County Clerk at Stockton.

**SCHOOL BONDS.**

MODESTO, Stanislaus Co., Cal.—The Modesto School Board has decided to call a bond election to raise funds of \$350,000 with which to finance school improvements.

City Attorney A. J. Carlson has been instructed to draw up the necessary papers. It is probable that the election will be held the latter part of August.

John J. Donovan, Perry Bldg., Oakland, is the architect.

OROVILLE, Butte Co., Cal.—The Supervisors will receive bids up to July 25th, for the purchase of the \$8,000 bond issue of the Rock Creek School District. A new school building will be erected from the proceeds of the sale.

**BRIDGE BONDS.**

STOCKTON, San Joaquin Co., Cal.—A bond issue to raise funds with which to finance construction of a bridge across Mormon Channel, at the foot of Washington street, will be called by the City Council in the near future.

**Contract Awarded For Cotton Compress.**

LOS ANGELES, Cal.—The Southwark Foundry & Machine Co., a subsidiary of the Baldwin Locomotive Works, was awarded the contract by the Harbor Commission for furnishing and installing a high density cotton compress on Municipal Pier No. 1 at Los Angeles harbor. The cost will be \$76,972.50. The equipment includes a 300 h. p. motor, a hydraulic pump and a compress of 2000 lbs. pressure.

**BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT.**

SACRAMENTO, Cal.—Until 2 P. M., August 4, bids will be received by the California highway commission, 515 Forum Bldg., Sacramento, for grading 9.4 miles of state highway in Lake county between west boundary and Lakeport (I-Lak-16-A). Plans and specifications may be seen at the division office, and at San Francisco, but may only be obtained on application to the main office at Sacramento.



**BRIDGE WORK PLANNED.**

CHICO, Butte Co., Cal.—Members of the Chico Chamber of Commerce met here recently with B. B. Meek and George F. Jones of Oroville and discussed a plan for the construction of a bridge across the Feather River on the State Highway lateral. The bridge has been a bone of contention between Chico and Oroville.

A meeting of the Chamber will be held in the immediate future for a further discussion of the bridge. At that time the Oroville representatives will lay before the Chicoans a plan by which it is said to be possible for the bridge to be constructed at about half the cost originally proposed.

The highway lateral is completed, but the bridge being lacking, the lateral is not now being used as designed.

**STREET WORK BIDS WANTED.**

CARMEL-BY-THE-SEA, Monterey Co., Cal.—The City Trustees of Carmel-by-the-Sea invite bids for the grading and graveling of Eighth avenue between San Carlos street and the west end of Eighth avenue, and Camino Real between Ocean avenue and Santa Lucia avenue, and Monte Verde street between Ocean avenue and Santa Lucia avenue. Bids will be opened at 8 P. M., August 5.

**Contract Awarded for Street Improvement.**

FRESNO, Fresno Co., Cal.—Thompson Bros. were awarded contract for grading and paving Divisadero street between Glen avenue and Central Addition at 3.65c sq. ft. for grading, 22.35c sq. ft. for paving with 4-in. concrete base and 1½-in. bitulithic surface, 60c lin. ft. curb, 23.8c sq. ft. concrete gutters, \$6.20 ft. for 30x6, \$4.75 for 24x6, \$3.75 for 12x6 and \$4.50 for 18x6 corrugated iron culverts.

**PLAN ROAD IMPROVEMENTS.**

SANTA ANA, Orange Co., Cal.—The County Supervisors have authorized the formation of three road improvement districts as follows: No. 3, to pave Orangethorpe avenue, between Anaheim-Fullerton main road to Placentia road, 2 miles; No. 4, to pave roads between Orange and Santa Ana to connect with the Orange paving and Grand avenue paving of Santa Ana; No. 5, to pave parts of Tustin St., Collins avenue, Wanda road, Lincoln street and Center Drive at Villa Park.

**SEWER WORK PLANNED.**

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors have granted permission to the Shell Oil Company to construct a sewer in Pacheco

Boulevard from City limits of town of Martinez to opposite MacKinnon street of Piedmont Tract, and from that point along MacKinnon street.

**BIDS WANTED FOR CONCRETE WORK.**

CALEXICO, Imperial Co., Cal.—Until 8 P. M., July 29, bids will be received by City Clerk Paul B. Stein-toff for 27,500 sq. ft. of 3-in. concrete floor, 1:3:6 mix, and 3800 ft. sidewalk reinforced with 6-in. No. 10 wire mesh extending 2 ft. into the floor, for city water basin.

**TO PURCHASE MOTOR TRUCKS.**

FRESNO, Cal.—The City Purchasing Agent is in the market for four 5-ton trucks for the Supervisor of road districts 1 to 5.

**ROAD WORK BIDS WANTED.**

SEATTLE, Wash.—Bids will be received by the King County Commissioners, Seattle, up to August 4th, 10 A. M., for the laying of 29,675 square yards of either one course concrete or brick pavement and estimated to cost about \$80,000, on the Sylvester Road and extension, 3.19 miles in length.

Same Humes is County Engineer.

**BRIDGE BIDS WANTED.**

EUREKA, Humboldt Co., Cal.—Bids will be received by the County Clerk of Humboldt County until August 11, 1919, for the construction of a concrete arch bridge with a 145 foot span to be erected over Little Van Dusen Creek near Dismores. A. J. Logan is County Surveyor and H. J. Brunnier, Sharon Bldg., San Francisco, Engineer.

**COMPLETING PLANS FOR HUMBOLDT COUNTY BRIDGE.**

SAN FRANCISCO—Engineer H. J. Brunnier, Sharon Bldg., San Francisco, is completing plans for a steel bridge with two spans of 195 feet each to be erected over the Mattole River in Humboldt County. A. J. Logan is County Surveyor. Bids will be called for in about ten days.

**BRIDGE BIDS WANTED.**

SANTA BARBARA, Cal.—Until 10 A. M., August 4, bids will be received by the County Supervisors, C. A. Hunt, Clerk, for constructing a reinforced concrete bridge over Alamo Pintado creek in the town of Ballard, Third road district. Plans and specifications may be obtained from County Surveyor on deposit of \$10. Certified check for 10% required. Contractor to furnish materials.

**ROAD WORK PLANNED.**

REDWOOD CITY, San Mateo Co., Cal.—At the last meeting of the County Supervisors County Engineer George A. Kneese presented plans and specifications for the reconstruction of the old road from San Gregorio to Tunitas, the work to include regrading of the road, an oil macadam pavement and the construction of several new culverts. Supervisor Thompson moved that the plans and specifications be adopted and the clerk advertise for bids. There was no second to the motion and a discussion arose as to whether it would be better to reconstruct the old road or the new one built several years ago. It was finally decided to lay the matter over until County Surveyor Kneese could submit an estimate on the cost of repairing the new road.

Elizabeth M. Nash is County Clerk.

**STREET WORK BIDS OPENED.**

SAN RAFAEL, Marin Co., Cal.—The following bids were received by the City Council for improving Petaluma avenue and the Puerto Suello:

S. P. Brownlee, Ross and Marin Sts., San Rafael, \$6,121; Richmondite Co., Richmond, Cal., \$6,501.

For improving Third street: S. P. Brownlee, \$3,777.20; Richmondite Co., \$3,628.

For improving Palm and Olive avenues: S. P. Brownlee, \$2,723; Richmondite Co., \$2,620.

The bids were taken under advisement.

**BIDS WANTED FOR GENERAL CONTRACTS FOR MERCED HIGH SCHOOL.**

MERCED, Merced Co., Cal.—Architects Allison & Allison, 1405 Hibernian Bldg., Los Angeles, report that no bids were received by the Board of Trustees of the Merced Union High School District for contract No. 1, for excavating, concrete, masonry and terra cotta work, and contract No. 2, for carpentry work, for the erection of new high school buildings at Merced. This work has been re-advertised, bids to be received up to 2 P. M. of Thursday, July 31, 1919. Satisfactory bids were received on the other contracts and the low bidders have been asked to protect themselves on materials and be prepared to accept the contracts. If they cannot secure protection, it will be necessary to re-advertise all of the contracts.

**CABINET MAKERS.**

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 2735.

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron

# work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

### JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

### Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock Doors, Sash Frames and Mouldings.

House Phone, Kearny 2967  
Apartment Phone, Kearny 2307

### FRED H. BOGGS

### INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

### HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BIRCH  
AROMATIC RED CEDAR  
COTTONWOOD-LIM-PALU  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAHLE  
DRAGON-MAPLE-PEACH  
QUARTERED OAK-  
PINEAPPLE BENDING OAK  
SUGAR-WALNUT



BOXWOOD-ERICHY-IRONBARK  
JENISERO YOA-SPANISH CEDAR  
LIGNUM-VITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SPOTTED GUM-CHOCOLATE WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
DOWELS-TREENAILS-VENEERS

### WHITE BROTHERS

11TH and BRANNAN STREETS

SAN FRANCISCO, CAL.

### PIERCE-BOSQUIT

### Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET

# Building & Engineering News

Public Library  
Hayes & Franklin

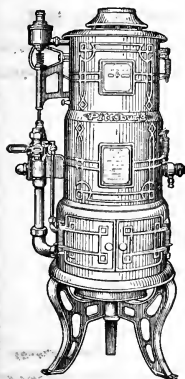
10 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., July 30, 1919

Published Every Wednesday  
Nineteenth Year, No. 31



## A BIG THING

New Model No. 65

"Pittsburg-  
Bungalow"

Automatic Water  
Heater.

Capacity three gallons  
per minute.

Just the size to fit the  
average two-story home  
or nice Bungalow.

A "Pittsburg" Automatic Gas  
Water Heater installed in the  
home indicates high quality  
throughout.

## PITTSBURG WATER HEATER CO.

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not  
contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
PLUMBER

221 Oak Street

Bet. Gough and Octavia

San Francisco

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron

# work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

### JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

### Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock Doors, Sash Frames and Mouldings.

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

### FRED H. BOGGS

### INSURANCE

734-744 Bush St.

Member

SAN FRANCISCO

Insurance Brokers Exchange

### HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BUCK  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLY  
SOUTHERN RED-GUM  
HICKORY-LAUREL-MAPLE  
OREGON MAPLE-PLAIN OAK  
QUARTERED OAK  
WYBROCK BENDING OAK  
POPLAR-WALNUT



DOAWOOD-EBONY-IRONBARK  
JENSEN-ROA-SWISH CEDAR  
LIGHTUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SPOTTED OAK-GRASSH WILLOW  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
BOWELS-TREEMILLS-VENEERS

### WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

### PIERCE-BOSQUIT

### Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET

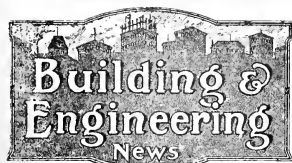
# Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities  
on the Pacific Coast.

Issued Weekly, \$4.00 per year

San Francisco, Cal., July 30, 1919

Nineteenth Year, No. 31



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,

Publisher and Proprietor.

Subscription Rates—One Year, \$3.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE

560 Mission Street.

Telephone—Douglas 2372.

## Among the Architects

Architect Eugene Mathewson, Cory Bldg., Fresno, has been commissioned to prepare plans for an administration building for the Madera County Hospital. It will be a two-story fire-proof structure of granite and concrete with a tile roof. There will also be two one-story wings to be used for wards. Estimated cost, \$100,000.

Architects Chester H. Miller and Carl I. Warnecke, Associated, New Call Bldg., San Francisco and Perry Bldg., Oakland, are preparing plans for a frame church for St. Augustus Mission. It will be erected on Grove street in Oakland and will cost in the neighborhood of \$10,000.

Architect Miss Julia Morgan, Merchants' Exchange Bldg., will be ready to take segregated figures for the construction of a three-story and basement brick and terra cotta school building for the Berkeley Baptist Divinity School. It will be erected on Dwight Way opposite Bowditch street in Berkeley.

Bids will be received until August 18, 1919, at 8 P. M., by the Easton School District, San Mateo County, for the construction of a one-story frame four-room school building. Plans were prepared by Architect E. L. Norberg, 420 Bankers' Investment Bldg., San Francisco, where plans and specifications may be obtained on a deposit of \$10.

Architect Henry C. Smith, Humboldt Bank Bldg., has completed

plans and figures are being received by the Yreka School District, Siskiyou County, for the construction of a one-story brick and concrete grammar school building. It will contain eight rooms and an auditorium and will cost approximately \$40,400. Bids close August 9, 1919, at 4 P. M.

Mr. Smith is also taking segregated figures for the construction of a three-story and basement frame apartment house building to be erected on the southwest corner of Laguna and Clay streets for Miss E. J. Booth. It will contain three high class apartments of eight room and four bathrooms each, and will cost approximately \$35,000.

Architects Arthur S. Heinemann & Co., Monadnock Bldg., has awarded a contract to Dan Wagner, 110 Jessie street, for alterations to the candy store of Blum's on the southwest corner of Polk and California streets. The S. Kulchar Co., 8th avenue and E-10th street, Oakland, have the contract for the fixtures.

Architect Arthur G. Scholz, Phelan Bldg., has completed plans and work is being done by days labor for altering a three-story frame flat building into seven two and three-room apartments. The building is located on the west side of Buena Vista avenue south of Haight street. Estimated cost, \$7,000.

Architect Arthur G. Scholz, Phelan Bldg., is preparing plans for a one-story seven-room frame residence to be erected at Palo Alto, Santa Clara County. Estimated cost, \$6,500.

Mr. Scholz is also completing plans for a three-story frame apartment house to contain thirteen two and three-room apartments. It will be erected on Guerrero street and will cost approximately \$28,000. Figures will be taken in about two weeks.

Architect H. M. Patterson, 324 O. T. Johnson Bldg., Los Angeles, is preparing plans for a brick church building for the Monrovia Presbyterian Church. It will be erected on the northeast corner of Myrtle avenue and White Oak street, Monrovia, Los Angeles County. Estimated cost, \$60,000.

Architect T. M. Edwards, Room 905 833 Market street, has awarded a con-

tract to S. A. Wisnom, 428 Wisnom St., San Mateo, for alterations to the residence of P. N. Lillenthal in Hillsborough, San Mateo County. Contract price approximately \$15,000.

Bids will be received until August 7th, 1919, at 10 o'clock A. M., by County Clerk P. E. Smith of Kern County, for the construction of a one-story hollow tile library building to be erected at Delano.

Architect August G. Headman, New Call Bldg., has awarded a contract to W. C. Duncan, Sharon Bldg., for the construction of a two-story and basement hollow tile and frame residence to be erected at Atherton, San Mateo County, for Cutler Bonestell. Estimated cost, \$25,000.

MacDonald & Kahn, Rialto Bldg., are completing plans for a four-story and basement reinforced concrete auto sales building to be erected on Van Ness avenue near Sacramento street. The Sibley Grading & Teaming Company have been awarded the contract for the excavation and grading. Plans will be ready for sub-figures in a few days.

Architects Woollett & Lamb, Physicians' Bldg., Sacramento, have been commissioned to prepare plans for a new high school building for Chico, Butte County.

Engineer H. J. Brunner, Sharon Bldg., is taking figures from a selected list of contractors for the construction of three brick and reinforced concrete creamery buildings to be erected at Los Banos, Merced County. The Los Banos Creamery Association is the owner and the plant has been leased to the California Central Creamery. Bids close July 26th.

Architect Edward T. Foulkes, Crocker Bldg., has awarded a contract to Trehitt & Shields, Rowell Bldg., Fresno, for the construction of a one-story brick garage building, 50 x150. It will be erected on South "J" street, Fresno, for Darbinian Bros., and has been leased to Chas. Foreman Sales Co., agents for the Biscoe Car, Contract price, \$12,500.

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

President—D. F. H. Newell, University of Illinois, Urbana, Ill.  
 First Vice-President—W. W. DeBerard, Western Editor Engineering News-Record, Chicago.  
 Second Vice-President—T. A. Evans, Structural Engineer, Meade-Morrison Co., Chicago.  
 Treasurer—John Ericson, City Engineer, Chicago.  
 Secretary—C. E. Drayer.

## Directors.

President—Dr. F. H. Newell, University of Illinois, Urbana, Ill.  
 W. W. K. Sparrow, Chief Engineer C. M. & St. P. Ry., Chicago.  
 P. E. Harroun, Consulting Engineer, San Francisco, Calif.  
 R. Burnham, Consulting Engineer, Chicago, Ill.  
 F. D. Richards, Bridge Engineer, City of Cleveland.  
 A. A. Matthews, Chief Engineer St. L. S. W. R. R., Tyler, Texas.  
 E. F. Collins, Valuation Engineer St. L.-S. F. Ry., St. Louis.  
 C. H. Crawford, Baldwin Locomotive Works, Philadelphia.  
 Harold Ahrrert, Consulting Engineer, Chicago.  
 F. K. Bennett, Principle Assistant Engineer M. & St. L. Ry., Minneapolis.  
 J. H. Prior, Consulting Engineer, Chicago.  
 \* Alexander Potter, Civil Engineer, New York City.  
 J. N. Hatch, Consulting Engineer, Chicago.

## NATIONAL HEADQUARTERS

29 S. La Salle St.

Chicago, Ill.

### SACRAMENTO CHAPTER.

H. A. Lathrop .....Secretary  
 Chapter Office: 1331 33rd St.

### LOS ANGELES CHAPTER.

E. G. Sheibley .....President  
 A. L. Harris .....Secretary  
 E. Hardy Merrill .....Treasurer  
 Chapter Office:  
 Central Bldg., 6th and Main.

### FRESNO CHAPTER.

L. E. Smith .....President  
 John A. Dron .....Secretary  
 Chapter Office: 960 "S" St., Fresno.

### EUREKA CLUB.

F. W. Howard .....Secretary  
 Chapter Office: Eureka, Calif.

# American Association of Engineers

## EDITORIAL STAFF.

George M. Nelson.....	Consulting Eng.
E. D. Brown.....	Redwood Mfrs. Co.
J. H. Knowles.....	Ch. Eng. W. P. Co.
D. L. Reynolds.....	Pac Fruit Express.
C. D. Stone.....	S. P. Co.
A. B. Hartley.....	S. P. Co.
H. W. Schrieber.....	Union Con. Co.

## A. A. E.

### California Membership by Counties.

Alameda .....	32
Amador .....	1
Butte .....	3
Contra Costa .....	3
Del Norte .....	1
Fresno .....	15
Glenn .....	3
Humboldt .....	4
Kern .....	9
Lake .....	1
Los Angeles .....	31
Marin .....	1
Mariposa .....	1
Mendocino .....	1
Nevada .....	1
Plumas .....	1
Riverside .....	2
Sacramento .....	44
San Bernardino .....	5
San Francisco .....	87
San Diego .....	7
San Joaquin .....	1
San Luis Obispo .....	2
San Mateo .....	6
Santa Clara .....	3
Santa Cruz .....	1
Shasta .....	10
Solano .....	1
Stanislaus .....	1
Tehama .....	1
Tuolumne .....	1
Yolo .....	3
Total .....	290

## NEWS ITEMS.

Los Angeles members have been granted a charter.

San Diego members have applied for a club charter.

Fresno members have applied for a chapter charter.

Dunsmuir members have applied for a chapter charter.

Bakersfield members have applied for a chapter charter.

Mr. F. J. Amweg, consulting engineer, 700 Marston Bldg., San Francisco, has been appointed Employment Representative of the S. F. Chapter. Anyone desiring the services of an engineer should make his needs known to Mr. Amweg, who will endeavor to put him in touch with some engineer adopted for his position.

## ENGINEERS' SALARIES AND THE A. A. E.

In what way will the American Association of Engineers assist the individual Engineer? This is the question most frequently asked by prospective members when they are first approached upon the subject of membership in the A. A. E. One of the answers which immediately comes to the mind of the man who has already given the matter his consideration and who has become a member of the A. A. E. is that the Association provides a means of giving the economic needs of the Engineer expression. The A. A. E., being an organization of Engineers who practice their profession in all parts of the United States and who represent every phase of engineering activity, is recognized by public officials as being one of the sources from which information regarding the engineer and his relationship with the community can be obtained.

The President of the San Francisco Chapter of the A. A. E., Mr. J. H. Knowles, was interviewed last Monday, July 21st, by Mr. J. C. Whitman, who is the Chief Examiner of the State Civil Service Commission, with headquarters at Sacramento, and who came to Mr. Knowles to obtain information relative to salary increase for technical and railroad engineers requested by the Association, with particular reference as to the basis upon which these proposed increases were predicated.

Mr. Knowles furnished Mr. Whitman with a list of the salaries proposed by the National Association for the technical engineers in all the different lines of endeavor, and Mr. H. I. Benjamin, who is also an active member of the A. A. E., furnished Mr. Whitman with a copy of the wage scale proposed by the Railroad Section of the A. A. E. for the Southern Pacific Railroad.

Mr. Whitman stated that the information thus given him was of great interest to him and would be freely used in general investigation which he is now initiating, of the salaries now being paid engineers in California, the ultimate purpose of which will be the readjustment of the salaries of all technical engineers employed by the Civil Service Commission of the State of California.

The service performed by the representatives of the Association in Washington, in supplying similar information, supported by undisputable facts, to the Wage Board, in adjusting railroad technical engineers' salaries, is well known. The A. A. E. is doing good work for the engineer, not only in presenting necessary information

to National Government officials, but to State officials as well.

This is only one example of the usefulness of the Association. Its possibilities will become greater with the prestige which only time can give.

## ATTENTION A. A. E. MEMBERS!

All members of the American Association of Engineers residing in northern California should be interested in the opportunities afforded by the "Building and Engineering News" in providing a channel for the interchange of ideas and the dissemination of news of common interest to all.

We, on the Pacific coast, are quite isolated from the activities interesting those members of the A. A. E. in the Middle West and in the East. For this reason it is desirable for us to make the most of our opportunities for advancement along independent lines.

The editors of the "Building and Engineering News" have generously allowed the A. A. E. two pages out of their paper of every issue to be devoted to Association affairs.

At the present time the responsibility for material to be published in each issue rests with the Publicity Committee of the San Francisco Chapter, and you are all urged to contribute something each week of general interest to engineers or of particular interest to the Association.

If you have some plan for broadening the field of usefulness of the A. A. E. you are invited to communicate it for publication. As soon as is determined whether or not this idea meets with the approval of all of the members, it is proposed that a Joint Publicity Committee be formed, consisting of representatives from all Chapters in Northern California, to cover the field more thoroughly, and to co-operate with the Chapters in Oregon and Washington and in Southern California, so that all of us on the Pacific Coast will be familiar with what is going on.

This opportunity is full of wonderful possibilities for advancing the cause of the A. A. E., but in order to insure the success of the plan the personal co-operation of each and every member will be necessary.

Writing for publication affords an opportunity for development of literary style in the individual which should not be overlooked.

If you have an idea and have not the time to develop it into a finished article, let us have it anyway. We will fix it up.

Address all letters and communications to "A. A. E. Publicity Committee, care Building and Engineering News, 560 Mission St., San Francisco, Calif."

## A. A. E. ITEMS.

The Navy Technical Association voted at their annual convention in Washington, June 10, 1919, to affiliate with A. A. E. This will add to our membership about 700 technical engineers in the United States Navy and will give A. A. E. eleven local organizations along the eastern coast. Mr. R. C. Bailey, President N. T. A., has been employed by A. A. E. and will locate in Washington, D. C. Address, Washington Hotel.

The Board of Directors of the Southwestern Society of Engineers recently voted unanimously in favor of the Southwestern Society becoming the Southwestern Chapter of A. A. E. Plans for amalgamation of several local societies in different parts of the country have been submitted at the request of the local society officers. The attitude of engineers in the southwest, where the Secretary recently made an extended trip, is distinctly in favor of A. A. E. About half a dozen other state and local engineering societies have taken up with headquarters the subject of closer relations with A. A. E.

The railroad committee of A. A. E. has been assured that authority for adequate compensation has been given to the Regional Directors by the U. S. Railroad Administration. We will use the schedule of salaries adopted at the March 17 Conference as a "measuring stick" while working out irregularities with the Regional Directors. The schedule does not cover all positions in all of the different railroad departments, but our members can "read between the lines" to compare their salaries and see if they are in line with the schedule which has been endorsed by many authorities and leading societies. Our members know what "adequate compensation" is, and they should notify the Railroad Committee if their compensation is low.

Organization committee has been appointed by the Executive Board to prepare plans for Public Service Engineering Campaign: Namely, A. N. Johnson, Chairman, Portland Cement Association, Chicago; A. R. Hirst, State Highway Engineer of Wisconsin, Madison, Wis.; S. C. Hadden, Editor, Municipal and County Engineering, 538 S. Clark street, Chicago, and Dr. F. H. Newell, University of Illinois, Urbana, Ill. This program will promote the economic and non-technical interests of engineers with the government, states, counties and municipalities.

Remember, entrance fees will go "sky high" on January 1, 1920, according to provision of the constitution. Special fees and dues are offered military men provided they join while in service or within six months after honorable discharge. Time is limited to complete membership before the 1920 Engineers' Directory goes to press.

President Newell is going through the East and, according to present plans, he will be in Dayton, June 26-27, Pittsburgh, June 28, Washington—where he will spend a few days—July 7. Then possibly he will visit Baltimore, Philadelphia, New York City and Boston. Late in the summer the President will tour the Western

States, reaching California some time in August. He will try to visit as many A. A. E. Chapters, Clubs, members and local organizations as possible. President Newell has long been identified with A. A. E. principles and he can speak with authority on the "human" needs and welfare of the engineers. He welcomes the wives of members to meetings. Invite the ladies.

## STRIKE LOOMS IN CITY ENGINEER'S OFFICE IN SAN FRANCISCO.

A strike that would call out 120 draftsmen, engineers and surveyors employed in the City Engineer's department will be considered at a meeting of the Draftsmen's Union to be held at the Labor Temple, according to an announcement by William Wilkinson, business agent.

Although the Board of Works has requested the Supervisors to provide \$3,800 additional for the July payroll to bring the payages of the affected employees to the union scale, ranging from \$175 a month for field assistants to \$250 for engineers, the money has not yet been provided. The Supervisors, have, however, gone on record favoring the payment of the scale.

The strike vote has already been taken, it was, and the next meeting will consider setting a date for the walkout.—S. F. Call.

## A NEW PARTNER IN INDUSTRY.

"The real center of social authority," writes Glenn Frank in a preface to his recent book on "The Politics of Industry," "has so far shifted from politics to industry that the tone and temper of our national life are more nearly determined by the way the business and industry of the country are conducted than by the way the government is conducted, statesmanship or stupidity of business men is of more social significance than the statesmanship or stupidity of politicians."

This is a clear statement of a fact which is becoming apparent to most thoughtful people. The reason for it is that while the shape of our political life is pretty well fixed the shape of our economic life is rapidly changing. Men don't take the same attitude toward their jobs that they took a few years ago. The old idea was that a man hired out individually to an employer, and that if he didn't like his job he quit and hunted up another. The obligation and responsibility ceased on the one hand with the doing of a certain amount of work and on the other the payment of a certain amount of money. No favors passed and no love was lost. The workmen didn't care whether their employer remained solvent or not, and the employers didn't care whether their workmen could pay their bills or not.

But now the opinion has gained ground that an industry is not only a contract between the whole body of workmen and the whole body of owners, but that both sides ought to have something to say as to how it shall be conducted. The owners invest their savings, the workmen

their labor, and the receipt of wages (so runs the theory) carries a right in the control exactly as does the receipt of profits and interest.

This movement has run over Christendom exactly as did, a century ago, the movement for political democracy and the rights of man. In Russia it has gone to wild extremes and is called Bolshevism. In France, Italy and Spain it is syndicalism—almost the same thing. In England it is a lawful and orderly tendency, treated with respect by the Prime Minister, Parliament and press. In this country it has the backing of such men as Frank Vanderlip and Bernard Baruch and of such corporations (though this reads like a fairy story) as the Standard Oil Company. A kind of parliamentary system is being worked out, something like that which the English king and the old English middle class evolved generations ago. Democracy—or at least a republican form of government—is coming into industry. That is, it will come if the majority of business men can be made to see what a few already see.—S. F. Call.

## THE ENGINEER AND THE PUBLIC.

## An Opportunity Lost.

During these stirring times public interest in engineering work that has nothing to do with the war has very naturally lagged to a considerable extent. This is particularly true of the building of new subways in New York, for the construction is carried on under ground and progress in the work is not very apparent.

The recent opening of the so-called "H" system involving a shuttle line across 42nd street, connecting the east and west side subways, naturally aroused the interest of New York citizens, although the annoyance they experienced in getting acquainted with the new lines of travel was such as to make them overlook the splendid engineering work that had been accomplished. Much of this confusion would have been avoided had the subways been built out in the open where they could be seen, but the bewildered passengers got lost in underground galleries with which they were entirely unfamiliar, not even having a map to guide them. Had illustrations been prepared showing the new subway lines with the earth covering removed from them, and had these pictures been widely advertised, no doubt there would have been a more auspicious inauguration of the "H" system.

The above quotation from the "Scientific American" shows how the Engineering Department of the New York Subway lost an opportunity of impressing on the travelling public the important role the engineer plays in modern civilized city life.

G. M. N.

**Unfair Discrimination in India.**—**"WANTED:** 2,000 pairs tin bathing drawers, delivery at Chowpatty Sunday morning. Reply Box 533, Times of India."

Won't the alligators be annoyed!—London Opinion.



# San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Engineer, Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co. ....	THIRD VICE-PRESIDENT

## EXECUTIVE COMMITTEE

J. H. Knowles .....	W. P. R. R.
L. D. Howland .....	C. C. Moore Co.
J. F. Johnston .....	Union Const. Co.
I. G. Grundel .....	Union Oil Co.

## QUALIFICATION COMMITTEE

W. H. Phelps .....	S. P. Co.
O. R. West .....	A. T. & S. F. R. R.

## AUDITING COMMITTEE

T. H. Brown .....	S. P. R. R.
E. B. Crane .....	C. M. & P. S. Ry.
P. J. Rowell.....	I. C. C.

## POLITICAL COMMITTEE

E. H. Herbert .....	Oliver Mfg. Co.
---------------------	-----------------

## FELLOWSHIP COMMITTEE

W. H. Rupp .....	S. P. R. R.
------------------	-------------

## PUBLICITY COMMITTEE

E. D. Brown .....	Redwood Mfgs Co.
G. M. Nelson.....	Consulting Engineer

## EMPLOYMENT REPRESENTATIVE.

F. J. Amweg .....	Consulting Engineer.
-------------------	----------------------

## COMPENSATION COMMITTEE.

G. M. Nelson.....	Consulting Engineer
E. V. Vandercook .....	S. P. R. R.
W. T. Cleland .....	Chief Dep. Surveyor Santa Clara Co.
V. D. Cousins.....	P. T. & T. Co.

## INTER-CHAPTER ADJUSTMENT COMMITTEE.

A. G. Mott .....	S. P. Co.
O. R. West .....	A. T. & S. F. Co.
W. S. Wollner .....	N. W. P. Co.

## MEMBERSHIP COMMITTEE.

D. L. Reynolds.....	Pacific Fruit Ex. Co.
F. J. Amweg .....	Consulting Engineer
W. H. Rupp.....	Southern Pacific R. R.
E. D. Brown.....	Redwood Mfgs. Co.
Clarence D. Stone .....	S. P. Co.
A. B. Hartley .....	S. P. Co.
H. W. Shrieber .....	Union Const. Co.
F. E. Geibel .....	S. P. Co.
C. B. Newbury.....	Interstate Com. Com.
F. E. Johnson.....	Union Const. Co.
E. V. Vandercook .....	S. P. Co.

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.  
Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

*San Francisco Chapter Office, 700 Marston Bldg.*

A. G. Mott, Secretary

244 Kearny St., S. F.

# ADVANCE NEWS

## Official Proposals, Etc.

Plans Being Completed  
**RESIDENCE** Cost, \$6,000  
**FRESNO**, Fresno Co., Cal. Alta Vista Tract.

Hollow tile and stucco residence.  
 Owner—Not Given.  
 Architect—Swartz & Swartz, Rowell Bldg., Fresno.  
 (28321) 1st report June 27, 1919.

Plans Being Figured. Bids Close Aug. 2nd, 1919.  
**GYMNASIUM** Cost, \$15,000  
**MADERA**, Madera Co., Cal.  
 Gymnasium Building, 50x72.  
 Owner—Madera Union High School District.

Architects—Swartz & Swartz, Rowell Bldg., Fresno.  
 (26251) 1st report Feb. 17; 4th July 2, 1919. A to J Q to S X 198 199 201

Plans Being Prepared.  
**WAREHOUSE** Cost, \$—  
**SAN FRANCISCO**. NW Kearny and Francisco, 137-6x340.  
 Four-story reinforced concrete warehouse building.  
 Owner—Edward C. Voorhies.  
 Engineer & Contractor—Cabill & Vensano Co., 110 Sutter St., San Francisco.

Ready for Figures End of This Week.  
**CHURCH** Cost, \$50,000  
**SAN RAFAEL**, Marin Co., Cal.  
 Reinforced concrete church.  
 Owner—St. Raphael Parish.  
 Architects—Shea & Lofquist, Chronicle Bldg., San Francisco.  
 (26490) 1st report Feb. 28, 1919.

Ready for Figures This Week.  
**STORE BLDG.** Cost, \$40,000  
**SAN FRANCISCO**. S Post Street, bet. Hyde and Larkin Streets.  
 One-story reinforced concrete store building.

Owner—Jacob Gietzen.  
 Architect—W. H. Crim, 425 Kearny St., San Francisco.

Plans Being Revised.  
**APARTMENTS.** Cost, \$18,000  
**SAN FRANCISCO**. Twelfth Avenue near Clement Street.  
 Three-story frame apartment (6 4-room apartments).  
 Owner—Mr. McCaw.  
 Architect—D. J. Patterson, 46 Kearny St., San Francisco.

Plans Being Prepared.  
**FLATS, ETC.** Cost, \$12,000  
**SAN FRANCISCO**. Franklin St.  
 Two-story and basement frame flats. (2 flats and basement garage).

Owner—Withheld.  
 Architect—Albert J. Fabre, Cr. French Bk., 110 Sutter St., San Francisco.  
**SPECIFICATIONS**

Exterior Finish, brick; Floors, hardwood; Heating, hot air; Interior Finish, hardwood; Roof, T. & G.; Wall Beds.

**RESIDENCE** Cost, \$—  
**SAN FRANCISCO**. Claremont Court.  
 Two-story frame and plaster residence (6 rooms).

Owner—Miss Florence Lemkey.  
 Architect—Warren Perry, Newhall Bldg., San Francisco.

Plans Being Prepared.  
**ADDITION** Cost, \$6,000  
**LINDSAY**, Tulare Co., Cal.  
 One-story 1-room addition to school.  
 Owner—Lindsay School District.  
 Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Plans Being Prepared.  
**CALEXICO**, Imperial Co., Cal. Second street.  
**STORES & OFFICES** Cost, \$40,000  
 One story and mezzanine floor, stores and offices.  
 Owner—Pacific Land and Cattle Co.  
 Architect—Ralph Swearingen, Cal-exico, Cal.

Working Drawings Being Prepared.  
**HOSPITAL BLDGS.** Cost, \$—  
**WOODLAND**, Yolo Co., Cal.  
 Group of reinforced concrete hospital buildings.  
 Owner—Yolo County.  
 Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Nearing Completion.  
**ADDITION** Cost, \$75,000  
**PORTLAND**, Ore. Vancouver Avenue near Fremont Street.  
 One-story addition, 30x65, and three-story addition, 16x52, for bakery.  
 Owner—Log Cabin Bakery. H. F. Rittman, President, Portland.  
 Architects—Clausen & Clausen, Macleay Bldg., Portland.

The contract for constructing the ovens has been awarded to the Baker Machinery Co., of New York City.

Plans Complete. To Call Bids Shortly  
**COLLEGE BLDGS.** Cost, \$100,000  
**RENO**, Nevada.

Two-story College of Education Buildings, 58x160.  
 Owner—University of Nevada.  
 Architect—F. J. De Longchamps, Reno, Nevada.

Completing Plans  
**GARAGE** Cost, \$13,000  
**KERMAN**, Fresno Co., Cal.  
 One-story fireproof garage.  
 Owner—E. F. Huggins  
 Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Plans Prepared.  
**AUTO SALES BLDG.** Cost, —  
**LOS ANGELES**. Northeast 16th and Figueroa streets.

Two-story reinforced concrete auto sales building (160x155).  
 Owner—Albertson Motor Car Co. (agents Dodge Car).  
 Architect—L. A. Smith, 621 Investment Bldg., Los Angeles.

Plans Being Prepared.  
**OFFICE BUILDING** Cost, —  
**CALEXICO**, Imperial Co., Cal. Heferman and 2nd Streets.  
 Two-story concrete store and office building (150x140) 8 stores.  
 Owner—Not given.  
 Architect—Ralph Swearingen, Cal-exico.

Plans Being Figured. Bids Close July 30th, 1919.  
**ARMORY** Cost, \$40,000  
**MARSHFIELD**, Oregon.  
 Hollow tile and stucco armory building, 105x120.  
 Owner—State of Oregon.  
 Architects—Clausen & Clausen, Macleay Bldg., Portland.  
 (27752) 1st report May 29, 1919.

Plans Prepared. Bids to be Called Shortly.  
**WOMEN'S BLDG.** Cost, \$200,000  
**EUGENE**, Oregon.  
 Three-story brick women's building, 26x276 (gymnasium, swimming tank, club equipment, etc.)  
 Owner—University of Oregon.  
 Architects—Lawrence & Holford, Chamber of Commerce Bldg., Portland, Ore.

## Plans Being Prepared.

**APARTMENTS** Cost, \$15,000  
**SAN FRANCISCO.** S Jackson E of Powell Street.  
 Three-story brick apartment house (6 3-room apts).  
 Owner—M. and S. Spiro & S. Heiman  
 Architect—S. Heiman, 57 Post St., San Francisco

## Plans Being Prepared.

**BATHHOUSE** Cost, \$85,000  
**HUNTINGTON BEACH, Cal.**  
 One-story reinforced concrete and frame municipal bathhouse, amusement pavilion buildings and pier.

Owner—City of Huntington Beach.  
 Architect—John C. Smith, 325 H. W. Hellman Bldg.

## Revising Plans.

**STORE BLDG.** Cost, —  
**CALEXICO, Imperial Co., Cal.**  
 Two-story store building (65x130)  
 Owner—Villasenor.  
 Architect—Ralph Swearingen, Cal-exico, Cal.

## Completing Plans. Ready for Figures About October First.

**HOSPITAL** Cost, \$700,000  
**OAKLAND, Alameda Co., Cal.** 14th Avenue and E-27th Street.  
 First unit Class "A" hospital.  
 Owner—Alameda County.  
 Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

## Sketches Prepared.

**THEATRE** Cost, \$50,000  
**NAPA, Napa Co., Cal.**  
 Fireproof theatre.  
 Owners—R. Blumenfeld and John Knox, Cr. Empire Theatre, Napa.  
 Architect—Reid Bros., 105 Montgomery St., San Francisco.

## Plans Being Figured. Bids Close July 31, 1919, 8 P. M.

**SCHOOL** Cost, \$20,000  
**ARTOIS, Glenn Co., Cal.**  
 One-story frame or hollow tile school  
 Owner—Artois School District.  
 Architect—J. S. Gould, Colusa.

Plans may be seen at Hochheimer's store in Artois, or at the office of the County Superintendent of Schools, Willows, or at the office of the Architect. H. J. Von Renner, Clerk.

## Plans Being Prepared.

**CHURCH** Cost, \$10,000  
**OAKLAND, Alameda Co., Cal.** Grove Street.  
 Frame church.  
 Owner—St. Augustus Mission.  
 Architect—Chester H. Miller and Carl I. Warnecke, Associate, New Call Bldg., San Francisco

## Completing Plans.

**RESIDENCE** Cost, \$6,000  
**MANTECA, Cal.**  
 Two-story frame residence.  
 Owner—J. R. Bell.  
 Architect—Chester H. Miller and Carl I. Warnecke, Associate, New Call Bldg., San Francisco.

## Segregated Figures Being Taken.

**AUTOMOBILE ACCESSARY BLDG.**  
 Cost, \$40,000.  
**SAN FRANCISCO.** SE O'Farrell St. and Van Ness Avenue.  
 Two-story and basement reinforced concrete automobile accessory building.  
 Owner—Mr. Steinberger.  
 Architect—Joseph L. Stewart, 1212 Claus Spreckels Bldg., S. F.

## Plans Being Figured.

**DWELLING** Cost, \$6,000  
**RICHMOND, Contra Costa Co., Cal.**  
 One-story 6-room frame dwelling and garage.  
 Owner—J. B. Silveira.  
 Architect—J. T. Narbett, 910 MacDonald Ave., Richmond.

## Plans Being Figured. Bids Close Aug. 7, 1919.

**EXTENSION TO PIER** Cost, \$—  
**SAN FRANCISCO.** San Francisco Water Front.  
 Extension to Pier No. 25.  
 Owner—State Board of Harbor Commissioners.  
 Engineer—Chief Engineer Frank G. White, Ferry Bldg., San Francisco

## Plans Being Figured. Bids Close Aug. 18 1919, at 8 P. M.

**SCHOOL** Cost, \$18,000  
**EASTON, San Mateo Co., Cal.**  
 One-story frame school (4 rooms)  
 Owner—Easton School District.  
 Architect—E. L. Norberg, 420 Bankers' Investment Bldg., San Francisco.

Plans may be obtained from Mr. Norberg on a deposit of \$10.

## Plans to be Prepared.

**GARAGE** Cost, \$—  
**STOCKTON, San Joaquin Co., Cal.**  
 El Dorado and Park Streets.  
 Fireproof garage building, 150x200 ft.  
 Owner—E. Allen Test, Dodge Automobile Agent, Stockton, Cal.

## Plans Prepared. Construction to be Started January 1st, 1920.

**HOSPITAL** Cost, \$150,000  
**SANTA ROSA, Sonoma Co., Cal.**  
 Three-story reinforced concrete hospital.  
 Owner—Liberty Hospital Co., Inc., Dr. S. S. Bogle, President, Santa Rosa

## Segregated Figures to be Taken Shortly.

**RESIDENCE** Cost, \$30,000  
**SAN FRANCISCO.** NE Vallejo and Buchanan Streets.  
 Two-story and basement frame and brick veneer residence.  
 Owner—B. F. Schlessinger.  
 Architect—Clarence A. Tantau, Clunie Bldg., San Francisco.

## Segregated Figures Being Taken.

**APARTMENTS** Cost, \$35,000  
**SAN FRANCISCO.** SW Laguna and Clay Streets.  
 Three-story and basement frame apartments (3 apts. of 8 rooms and 4 baths each.)  
 Owner—Miss E. J. Booth.  
 Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

## Plans Being Figured. Bids Close Aug. 9, 1919, 4 P. M.

**SCHOOL** Cost, \$40,000  
**YREKA, Cal.** Yreka Grammar School.  
 One-story brick and concrete grammar school (8 rooms and an auditorium).  
 Owner—Yreka School District.  
 Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

## Plans Prepared.

**BUNGALOW** Cost, \$—  
**MARTINEZ, Contra Costa Co., Cal.** Martinez Park Tract.  
 One-story frame bungalow.  
 Owner—Wm. Welsh, Martinez, Cal.  
 Architect—W. A. Doctor, 314 Main St., Martinez, Cal.

## Segregated Figures to be Taken Next Week.

**SCHOOL** Cost, \$—  
**BERKELEY, Alameda Co., Cal.** Dwight Way opp. Bowditch.  
 Three-story and basement brick and terra cotta school building.  
 Owner—Berkeley Baptist Divinity School, 2601 Dwight Way, Bkly.  
 Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.

## Sub-Figures to be Taken in About a Week.

**APARTMENTS** Cost, \$150,000  
**SAN FRANCISCO.** E California 137 E Taylor Street.  
 Six-story and basement steel and concrete apartments (12 apts. of 12 and 8 rooms).  
 Owner—Winifred de Wolf and Anna L. Brownlee, 1801 Van Ness Ave., San Francisco.  
 Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.  
 Contractor—Marcus Marcussen, 201 Saxonie St., San Francisco.  
 Mr. Marcussen will be ready to take sub-figures in about a week.

## Figures to be Taken Shortly.

## ALTERATIONS TO HOSPITAL

Cost, \$30,000.

SAN LEANDRO, Alameda Co., Cal.  
County Hospital Site.

Extensive alterations to present two-story frame County Hospital. Improve sanitary equipment, move partitions, etc.

Owner—Alameda County.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

## Segregated Figures Being Taken.

## OFFICE BLDG. Cost, \$—

OAKLAND, N 16th Street 100 W  
Telegraph Avenue.Four-story Class "C" office building.  
Owner—East Bay Water Co., 9th and  
Broadway, Oakland.Architect—Wm. Knowles, Hearst Bldg  
San Francisco and Central Bank  
Bldg., Oakland.

(26811) 1st report Mar. 18; 4th June

Revised Plans Ready for Figures in  
About Two Weeks.OFFICES, ETC. Cost, \$75,000  
SAN FRANCISCO. Jackson Street  
near Embarcadero.Six-story Class "A" building; gar-  
rages on 1st floor; 2nd floor of-  
fices and lofts; roof garden for  
employees.

Owner—Wellman-Peck Co.

Architect—S. J. E. Krafft & Sons, Phelan  
Bldg., San Francisco.

## Plans to be Prepared.

APARTMENTS Cost, \$100,000  
MERCED, Merced Co., Cal. 19th and  
"M" Streets.Fireproof apartment house building.  
Site, 150x150.Owner—Dr. J. C. Smith, Merced, Cal.  
Architect—Not Yet Selected.Plans Being Figured. Bids Close July  
29, 1919, 1:30 P. M.GARAGE Cost, \$—  
BENICIA, Solano Co., Cal. Benicia  
Arsenal.One-story reinforced concrete gar-  
age, 30x60.Owner—United States Government.  
Architect—Engineering Department  
Benicia Arsenal.Specifications may be obtained from  
the arsenal.

## Plans Being Figured.

BUNGALOW Cost, \$8,500  
BURLINGAME, San Mateo Co., Cal.One-story frame and plaster bungalow  
Owner—Withheld.Architect—Chas. E. J. Rogers, Phelan  
Bldg., San Francisco.

## Plans to be Prepared.

DEHYDRATING PLANT Cost, \$—  
RIPON, San Joaquin Co., Cal. Keus-  
thardt Industrial Tract.

Dehydrating plant.

Owner—California Vegetable Union,  
Ripon, Cal.

Architect—Not Given.

## Commissioned to Prepare Plans

## COURT HOUSE Cost, \$—

INDEPENDENCE, Inyo Co., Cal.

Court House.

Owner—Inyo County.

Architect—W. H. Weeks, 75 Post St.,  
San Francisco.

## Plans Being Prepared.

COMMISSARY BLDG. Cost, \$20,000  
BENICIA, Solano Co., Cal. Benicia  
Arsenal.One-story reinforced concrete com-  
missary building.

Owner—United States Government.

Architect—Engineering Department  
Benicia Arsenal.Plans will be ready for figures in  
about a month.

## Plans Being Prepared.

STOREHOUSE Cost, \$130,000  
BENICIA, Solano Co., Cal. Benicia  
Arsenal.One-story brick, tile and frame ar-  
tillery storehouse.

Owner—United States Government.

Architect—Engineering Department  
Benicia Arsenal.Plans will be ready for figures in  
about a month.

## Segregated Figures Being Taken.

## APARTMENT HOUSE Cost, \$—

LONG BEACH, Los Angeles Co., Cal.  
Eight-story Class "A" reinforced con-  
crete apartment house.

Owner—Craig Warren Akers.

Architect—E. L. Mayberry and Engi-  
neer L. R. Jones, 468 Pacific Elec-  
tric Bldg., Los Angeles.

## Plans Being Prepared.

DEPT. BLDG. Cost, \$—  
LOS ANGELES, Los Angeles Co., Cal.  
7th and Broadway.Seven-story Class "A" department  
building and alter adjoining  
buildings.Owner—Bullock's Department Store,  
Premises.Architect—John Parkinson, 420 Title  
Insurance Bldg., Los Angeles.

## Ready For Figures After August 1st.

RESIDENCES Cost, \$6,000 to \$9,000  
SAN FRANCISCO. St. Francis Wood.  
Three two-story frame residences (6  
to 8 rooms each and a one-story  
5-room bungalow.)

Owner—Withheld.

Architect—Henry H. Gutterson, 278  
Post St., San Francisco.

## Working Drawings Being Prepared.

## RESIDENCE Cost, \$—

SAN FRANCISCO. N Green St., bet.

Broderick and Divisadero Sts.

Two-story and basement frame and  
plaster residence and garage.

Owner—Alfred Hanify.

Architects—Ward & Blohm, Alaska  
Commercial Bldg., San Francisco.

## Sub-Figures Being Taken.

ALTERATIONS Cost, \$8,000  
SAN FRANCISCO. Haight Street  
near Webster Street.Alter three-story frame flats into  
6 3-room apts.

Owner—Dr. A. W. Morton.

Architect—O. E. Evans, 2569 Mission  
St., San Francisco.

## Figures Being Taken.

## SAN FRANCISCO. California St.

Alterations to office building (change  
partitions, tear out Oregon pine  
trim and replace with oak.)

Owner—Withheld.

Architect—C. W. McCall, Central Bk.  
Bldg., Oakland.

## RESIDENCE

Cost, \$—

GLEN ELLEN, Sonoma Co., Cal.

Fireproof residence.

Owner—Mrs. Jack London.

Architect—Harry Merritt, 716 Sycamore  
St., Oakland.

## Plans Being Prepared.

## RECTORY Cost, \$30,000

FRESNO, Fresno Co., Cal.

Two-story frame and stucco rectory,  
43x81-6.

Owner—St. John's Catholic Church.

Architect—Ernest J. Kump, Fresno.

## Plans Being Prepared.

## ALTERATIONS Cost, \$—

BAKERSFIELD, Kern Co., Cal. No.

1710 Chester Street.

Alterations and an addition 33x115

feet to Lodge Building.

Owner—Elks Lodge of Bakersfield.

Architect—Oroville Clarke, Bakers-

field.

The present building will be altered  
and an addition built instead of a  
new building as was contemplated.Plans Being Prepared. Contract  
Awarded.

## APARTMENTS Cost, \$35,000

FRESNO, Fresno Co., Cal. Fortcamp

and Dennett Streets.

Apartment building. (14 apts.; 10 3-

room and 4 4-room apts).

Owner—Withheld.

Architect &amp; Contractor—R. F. Felch-

lin, Fresno, Cal.

## Plans Being Prepared.

## RESIDENCE Cost, \$18,000

SELMA, Fresno Co., Cal.

Two-story and basement hollow tile

residence, 45x66.

Owner—S. L. Heisinger, Selma, Cal.

Architects—Coates &amp; Traver, Rowell

Bldg., Fresno.

PLANS ADOPTED FOR HARBOR  
IMPROVEMENT.

## REDONDO BEACH, Los Angeles

Co., Cal.—The City Trustees have

adopted the plans of Leeds &amp; Barnard,

Central Bldg., Los Angeles, engineers,

for rubble mound breakwater, extend-

ing from the foot of Fourth street 1280

feet into the ocean thence south 500

feet. The top of the breakwater will

be 10 ft. above low water. The com-

pleted harbor, according to plans de-

veloped by the engineers, will cost

approximately \$4,000,000. A suit

to enjoin the sale of the \$300,000 bonds

voted for harbor improvements is

now pending.

## PAVING PLANNED.

BRAWLEY, Imperial Co., Cal.—The

City Commissioners have adopted a

resolution of intention to pave Main

street east and west at both ends and

construct sidewalks on both sides;

also to pave Eighth street between E

and A streets, and between E and Y

streets, and other streets. The paving

outlined will cost approximately

\$100,000.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

No.	Owner	Contractor	Amt.
1441	Dominican	Malley	5000
1442	Weissman	Gutteridge	1800
1443	Blob	Blob	1000
1444	Hannig	Ruegg	500
1445	Goldman	Mullen	9500
1446	City of Paris	Otis	24375
1447	Walters	MacDonald	60000
1448	Dietlin	Hamill	3500
1449	Burke	Burke	5000
1450	Roderick	Rich	3825
1451	Dunn	Dunn	12960
1452	Deming	Deming	5000
1453	Bothin	Bothin	18000
1454	Usenbad	Owner	5000
1455	Philips	Ferguson	400
1456	Dorl	Jones	1200
1457	Wulzen	Murphy	500
1458	Jones	Blum	850
1459	Wash	Owner	1000
1460	Dollar	Wilson	6586
1461	Cook	Cook	12000
1462	Pyne	Maas	1504
1463	Eureka Sash	Owner	6000
1464	Karstensen	Jensen	950
1465	Quality Food	Glaser	550
1466	Harband	Kragen	1000
1467	Feigenbaum	Owner	400
1468	Buckbee	Swenson	900
1469	Watson	Diestel	750
1471	Bryan	Wegner	11500
1472	Sharboro	Koenig	5000
1473	Dougherty	Owner	600
1474	King	Urfer	600
1475	Orr	Smith	750
1476	O'Neill	O'Neill	3000
1477	Wegner	Huam	500
1478	Koenig	Koenig	400
1479	Hagan	Wilson	2300
1480	Day	Grell	6250
1481	Aronson	Duncana	10690
1482	Cal Brwng Assoc.	Owner	14500
1483	Lyon	Lyon	400
1484	Crocker	Samuelson	2600
1485	Amer Motor.	Barrett	40000
1486	Rolph	McLeran	5000
1487	Cudaby	Barrett	864
1488	Linehan	Linehan	4000
1489	Grant	Lindgren	18000
1490	Briden	Hansen	5300
1491	Holzberg	Owner	400
1492	Harband	Kragen	1000
1493	Moeller	Leigh	8000
1494	Nelson	Nelson	12000
1495	Tiscornia	Owner	3000
1496	McKae	Owner	1000
1497	Faulsen	Moran	400
1498	Nelson	Nelson	6000
1499	Lapham	Lapham	6000
1500	Jacobi	Hogberg	2580
1501	Stoff	McGowan	6245

1441) NO. 1212 GUERRERO. Addition and repairs to convent.  
Owner—Dominican Sisters, Premises.  
Architect—None.  
Contractor—F. T. Malley, 24th and Guerrero, San Francisco.  
COST, \$5000

(1442) SW ELEVENTH & KISLING. Alter flats.

Owner—Wm. Weissman, 1230 Jackson, San Francisco.  
Architect—None.  
Contractor—P. H. Gutteridge, 509 Frederick, San Francisco.  
COST, \$1800

(1443) W NINTH AVE 200 and 250 S Geary. Two concrete foundations for two two-story flats.

Owner—Henry Blob, 232 Balboa Bldg. San Francisco.  
Contractor—Wegner & Blob, 232 Balboa Bldg., San Francisco.  
COST, \$500 each

(1444) NO. 2334 MISSION. Alter store.

Owner—Mary Hannig, 2336 Mission, San Francisco.  
Architect—None.  
Contractor—Ruegg Bros., 719 Pacific Bldg., San Francisco.  
Cost, \$500

(1445) NOS. 786-788 MARKET. All work for alterations and additions to store in three-story building.

Owner—I. Goldman, Premises.  
Architect—Bernard J. Joseph, New Call Bldg., San Francisco  
Contractor—Mullen Mfg. Co., 68 Rausch, San Francisco.  
Filed July 21, '19. Dated July 7, '19.  
Rough work for show windows in, girders, floor joists & flooring for mezzanine in and 1/2 of new fixtures in.....\$3450  
Completed and accepted.....4000  
Usual 35 days.....2500  
TOTAL COST, \$9950

Bond, \$5000. Surety, New Amsterdam Casualty Co. Limit, Aug. 31, 1919.  
Forfeit, \$25. Plans and specifications filed.

(1446) LOCATION NOT GIVEN. Two new electric passenger elevators, removing and re-locating four existing passenger elevators, removing and retaining 2 electric dumb waiters, 1 hydro air sidewalk elevator and 1 electric freight elevator and 1 passenger elevator.

Owner—City of Paris Dry Goods Co., Geary and Stockton, S. F.  
Architect—Bakewell & Brown, 251 Kearny, San Francisco.  
Contractor—Otis Elevator Co., Beach and Stockton, S. F.

Filed July 21, '19. Dated July 7, '19.  
Monthly payments of.....75%  
Usual 35 days.....25%  
TOTAL COST, \$24,375

Bond, limit, forfeit, none. Specifications only filed

(1447) NE VAN NESS AVE AND Sacramento. Two-story concrete auto sales building.

Owner—Mrs. Hannah Walters, (Peacock Motor Sales Co.)  
Engineers—MacDonald & Kahn.  
Contractor—MacDonald & Kahn, 907 Rialto Bldg., San Francisco.  
COST, \$60,000

(1448) W THIRTY-EIGHTH AVE 125 N Fulton. One-story frame residence.

Owner—E. Dietlin, 19 Coso Ave., San Francisco.  
Architect—None.  
Contractor—Thos. Hamill, 4101 Balboa, San Francisco.  
COST, \$3500

(1449) SW TENTH AVE AND BALBOA. One story frame residence.  
Owner—Al. Burke, 1158 Church, S. F.  
Architect—None.  
Day's work.....COST, \$5000

(1450) S TEDDY AVE 75 W San Bruno Road. One-story frame residence.

Owner—Jos. Roderick.  
Architect—None.  
Contractor—James M. Rich, 940 Railroad Ave., San Francisco.  
COST, \$3925

(1451) N PINE 199-6 W Leavenworth Three-story frame apartments.

Owner—J. F. Dunn, 401 Phelan Bldg., San Francisco.  
Architect—None.  
Sub-Contracts.....COST, \$12,960

(1452) W HYDE 25 S Filbert. Two-story and basement (2) flats.  
Owner—Jay Deming, 112 Market, S. F.  
Architect—None.  
Day's work.....COST, \$5000

(1453) N HOWARD 402 W First. Two-story and basement brick or concrete building.

Owner—Bothin Real Estate Co., 604 Mission, San Francisco.  
Architect—J. W. Ettler, 604 Mission, San Francisco.  
Day's work.....COST, \$18,000

(1454) SW GOLDEN GATE AVE & Octavia. Remodel all partitions so it will be opened.

Owner—J. Usenbad, 544 Market, S. F.  
Architect—None.  
Day's work.....COST, \$5000

(1455) NO. 2702 LAGUNA. Garage under house and concrete floor.

Owner—A. P. Phillips, Premises.  
Architect—None.  
Contractor—Ferguson & Son, 1739 Union, San Francisco.  
COST, \$400

(1456) NO. 2009 PACIFIC AVE. One story brick private garage.

Owner—Mrs. E. Dorl, Burlingame  
Architect—None.  
Contractor—Paul K. Jones, 180 Jessie San Francisco.  
COST, \$1200

(1457) E VALENCIA COR. 17th. Alter garage.

Owner—D. J. Wulzen, — Valencia, San Francisco.  
Architect—None.  
Contractor—John Murphy, 2693 Bush, San Francisco.  
COST, \$500

(1458) SE KEARNY AND POST. Erect partition and repair floor in basement.  
Owner—Bullock & Jones.  
Architect—Mrs. Vollmer, Powell and Geary, Cr. Schussler Bros.  
Contractor—Geo. Blum, 815 Valencia San Francisco.  
COST, \$850

(1459) E UNIVERSITY bet. Bacon and Wayland. One-story frame cottage.  
Owner—Sylvester H. Wash, 407 University, San Francisco.  
Architect—None.  
Day's work. COST, \$1000

(1460) BATTERY & CALIFORNIA. All work for heating for five-story Class "A" addition to office building. Owner—The Robert Dollar Co., by Dinwiddie Constr. Co., Crocker Bank Bldg., Oakland.  
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.  
Sub-Contractor—Wm. F. Wilson Co., 328 Mason St., San Francisco.  
Filed July 22, '19. Dated June 23, '19. Monthly payments of ..... 85%  
Usual 35 days ..... Balance  
TOTAL COST, \$6586  
Bond, \$3793. Sureties, Fredk. A. Wilson and Albert J. Wilson. Limit, forfeit, plans and specifications, none.

(1461) WORTH N of Filbert 100 E Polk. Two-story frame flats.  
Owner—A. Cook, 1300 Florida, S F  
Architect—W. C. Falch, Hearst Bldg., San Francisco.  
Day's work. COST, \$12,000  
(1462) NO. 119 COLLEGE AVE. Raise dwelling for basement garage and add one living room, 14x14.  
Owner—A. T. Payne, 119 College Ave., San Francisco.  
Architect—None.  
Contractor—Maas & McGabey, 3974 22nd and 565 Douglass, S. F.  
COST, \$1504

(1463) NO. 1715 MISSION (rear). Two-story frame workshop.  
Owner—Eureka Sash, Door & Moulding Mills, 1715 Mission, S. F.  
Architect—None.  
Day's work. COST, \$6000

(1464) NO. 823 OAK. Repair fire damage to flats.  
Owner—J. & S. Karstensen, Prem.  
Architect—None.  
Contractor—Jas. Jensen, 550 Valencia, San Francisco.  
COST, \$950

(1465) NO. 3347 FILLMORE. Install smoke house in sausage factory.  
Owner—Quality Food Co., Premises.  
Architect—None.  
Contractor—Glaser, 110 Jessie, S. F.  
COST, \$550

(1466) S MARKET NO. 775. Put in show cases.  
Owner—Harbard Trunk Co., 775 Market, San Francisco.  
Architect—None.  
Contractor—Louis Kragen, 743 Gough San Francisco.  
COST, \$1000

(1467) NO. 1415 HAIGHT. Alter for candy store.  
Owner—Juline Feigenbaum, 555 Market, San Francisco.  
Architect—None.  
Day's work. COST, \$400

(1468) NO. 21 SECOND. Alter front of store.  
Owner—Luckbee, Thorne Co., 27 Montgomery, San Francisco.  
Architect—None.  
Contractor—Swenson & Franzen, 145 Natoma, San Francisco.  
COST, \$900

(1469) NO. 2203 SCOTT. Repair fire damage.  
Owner—D. M. Watson, Premises.  
Architect—None.  
Contractor—John Diestel, 248 Russ Bldg., San Francisco.  
COST, \$750

(1470) LOTS 2, 3 AND 4 BLK 3197, Westwood Park. All work for three one-story and basement frame residences.

Owner—Herman C. Bauman & John D. Baumann, 251 Kearny, S. F.  
Architect—H. C. Baumann, 251 Kearny, San Francisco.  
Contractor—Robt. C. Black, 40 Woodland, San Francisco.

1470 Baumann ..... Black 12000  
Filed July 23, '19. Dated July 16, '19. Frame up, enclosed & roof on ..... \$3000  
Brown coated outside & inside 3000  
Completed and accepted ..... 3000  
Usual 35 days ..... 3000  
TOTAL COST, \$12,000  
Bond, \$6,000. Sureties, E. A. Janssen and Leslie Jacobs. Limit, 90 days Forfeit, none. Plans and specifications filed.

(1471) SE MISSION 110 SW Fourth SW 40xSE 80. All work for one-story and basement reinforced concrete store building.  
Owner—Mary M. Bryan.  
Architect—W. H. Crim Jr., 425 Kearny, San Francisco.  
Contractor—Adolph Wegner & Henry Blob (as Wegner & Blob), 593 Market, San Francisco.

Filed July 23, '19. Dated July 11, '19. Concrete poured to ceiling joists ..... \$2916  
Roof on, brick plastering done and finish floor laid ..... 2916  
Completed and accepted ..... 2916  
Usual 35 days ..... 2922  
TOTAL COST, \$11,670  
Bond, \$5835. Surety, Maryland Casualty Co. Limit, 65 days. Forfeit, \$15. Plans and specifications filed.

(1472) 3 PACIFIC AVE 65 N Scott. Two-story frame dwelling.  
Owner—R. Scharboro.  
Architect—Wm. Koenig.  
Contractor—Wm. Koenig, 788 16th Ave., San Francisco.  
COST, \$5000

(1473) W EIGHTH AVE 250 N Clement. Grade basement of dwelling.  
Owner—Katherine Dougherty, 705 Clement, San Francisco.  
Architect—None.  
Day's work. COST, \$600

(1474) NO. 2301 SCOTT. Add bath and enlarge present one in dwlg.  
Owner—Mrs. J. L. King, Premises.  
Architect—None.  
Contractor—Chas. E. Urfer, 134 Hallock, San Francisco.  
COST, \$400

(1475) NO. 1945-47 McALLISTER. Alter and erect stairs in dwelling.

Owner—Off & Davis, Premises.  
Architect—None.  
Contractor—J. W. Smith, 180 Jessie, San Francisco.  
COST, \$750

(1476) NO. 273 MINNA. Extend basement and general alterations for store.  
Owner—Daniel O'Neill, Premises.  
Architect—J. E. Kraft & Sons, Phe-lan Bldg., San Francisco.  
Day's work. Cost, \$3000

(1477) N TWENTY-THIRD 256 W Sanchez. One-story frame garage.  
Owner—J. Wegner, 3946 23rd, S. F.  
Architect—None.  
Contractor—C. C. W. Haun, 180 Jessie San Francisco.  
COST, \$500

(1478) S PACIFIC AVE 75 E Scott. One-story concrete garage.  
Owner—Wm. Koenig, 180 Jessie, San Francisco.  
Architect—Wm. Koenig.  
Contractor—Wm. Koenig, 180 Jessie San Francisco.  
COST, \$400

(1479) W TWENTY-NINTH AVE 250 N Vicente. Raise and alter dwlg.  
Owner—Sarah Hagan, 2555 29th Ave., San Francisco.  
Architect—None.  
Contractor—Wilson & Balbeani, 2530 28th Ave., San Francisco.  
COST, \$2300

(1480) LOTS 9 AND 10 BLK 3162, Westwood Park. All work for one-story and basement garage bungalow.  
Owner—Wm. P. and Elizabeth Day, 130 Lee Ave., San Francisco.  
Architect—Ida F. McCain, 218 Kearny St., San Francisco.  
Contractor—Phillip Greil, 90 Haight St., San Francisco.  
Filed July 24, '19. Dated July 16, '19. Enclosed and roof on ..... \$1562.50  
Brown coated ..... 1562.50  
Completed and accepted ..... 1562.50  
Usual 35 days ..... 1562.50  
TOTAL COST, \$6250.00  
Bond, \$3125. Sureties, Jacob Weiler and E. Gustave Schultz. Limit, 80 days. Forfeit, none. Plans and specifications filed.

(1481) N ELLIS 37 E Jones 50x87. All work for one-story Class "C" store building.  
Owner—Nettie Aronson, 2130 Pacific Ave., San Francisco.  
Architect—S. Heiman, 57 Post St., San Francisco.  
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Filed July 24, '19. Dated July 17, '19. On completion of concrete work in basement ..... \$2000  
White coated ..... 2000  
Completed and accepted ..... 2000  
Usual 35 days ..... 2690  
TOTAL COST, \$10,690  
Bond, \$5600. Sureties, Peter Bradley and Frank Davison. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(1482) NO. 761 FULTON. Add one room to brewery.  
Owner—California Brewing Association, Premises.  
Architect—None.  
Day's work. COST, \$450

(1483) NO. 39 MASON. Alter for restaurant.  
Owner—Lyon & Hoag, 660 Market St., San Francisco.  
Architect—Will H. Toepke, 942 Market, San Francisco.  
Day's work. COST, \$400

(1484) W MUNICH 250 E Cordova. One-story and basement frame dwlg  
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.  
Architect—None.  
Contractor—A. M. Samuelson, 3732 21st, San Francisco.  
COST, \$2600

(1485) SE POST & GOUGH. Two-story reinforced concrete repair building.  
Owner—American Motor Repair Co., Care Architect.  
Architect—Sylvain Schnaittacher, 233 Post, San Francisco.  
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.  
COST, \$40,000

(1486) NO. 60 CALIFORNIA. Alter for offices.  
Owner—Jas. Rolph Jr.  
Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.  
Contractor—McLeran & Peterson, Hearst Bldg., San Francisco.  
COST, \$5000

(1487) NO. 55 UNION. Concrete floor and alter warehouse.  
Owner—Cudahy Packing Co., Prem.  
Architect—Ward & Blohme, Alaska Commercial Bldg., S. F.  
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.  
COST, \$864

(1488) S YORBA 40 W 40th Ave. Two-story and basement frame dwelling.  
Owner—J. C. Linehan, 3655 20th, San Francisco.  
Architect—None.  
Day's work. COST, \$4000

(1489) SE BUSH AND SANSOME. General alterations for offices.  
Owner—Grant Co.  
Architect—None.  
Contractor—Lindgren & Co., Monadnock Bldg., San Francisco.  
COST, \$18,000

(1490) LOT 7 and S ½ Lot 6 Blik 3106, Westwood Park. All work for one-story 5-room frame bungalow.  
Owner—Elise P. Briden.  
Architect—Ida F. McCain, 318 Kearny, San Francisco.  
Contractor—H. J. Hansen, 1327 20th Ave., San Francisco.  
Filed July 25, '19. Dated July 15, '19.  
Enclosed and roof on.....\$1325  
Brown coated.....1325  
Completed and accepted.....1325  
Usual 35 days.....1325  
TOTAL COST, \$5300

Bond, \$2650. Sureties, E. V. Lacey and H. H. Winner. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(1491) NO. 890 GEARY. Minor alterations to apartments.  
Owner—Dr. H. L. Holzberg, Prem.  
Architect—None.  
Day's work. COST, \$400  
ALTERATIONS  
(1492) NO. 775 MARKET. Alter store.

Owner—Harband Trunk Co., Prem.  
Architect—None.  
Contractor—Louis Krugen, 743 Gough, San Francisco.  
COST, \$1000

(1493) E THIRTY-SECOND AVE 50 and 75 N Geary. Two two-story frame dwellings.  
Owner—Moeller & Gray, 24th Ave. and Clement, S. F.  
Architect—None.  
Contractor—David Leigh, 840 44th Ave., San Francisco.  
COST, \$4000 each

(1494) W PLYMOUTH 237 and 314 N San Ramon. Two one-story and basement frame dwellings.  
Owner—Nelson Bros., 30 Northwood Drive, San Francisco.  
Architect—Chas. Strothoff, 2276 15th, San Francisco.  
Day's work. Cost, \$6000 each

(1495) N OCEAN AVE 40 E Otsego. One-story and basement frame dwelling.  
Owner—Domonic Tiscornia, 231-A Delano Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$3000

(1496) S GOLDEN GATE AVE No. 367. Repair and paint roof skylights.  
Owner—J. A. McKae, 2243 Virginia St., Berkeley.  
Architect—None.  
Day's work. COST, \$1000

(1497) E TENTH AVE N of Fulton. Private garage and alterations.  
Owner—O. F. Paulsen, 766 10th Ave., San Francisco.  
Architect—None.  
Contractor—Harry Moran, 978 10th Ave., San Francisco.  
COST, \$400

(1498) W MIRAMAR 335 N Wildwood. One-story and basement frame dwelling.  
Owner—Nelson Bros., 30 Northwood Drive, San Francisco.  
Architect—Chas. Strothoff, 2776 15th, San Francisco.  
Day's work. COST, \$6000

(1499) NW THIRTY-SEVENTH AVE 30 N Geary. Two-story frame dwelling.  
Owner—A. R. Lapham, 485 36th Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$6000

(1500) SW JACKSON & PRESIDIO AVE W 120-9xS 27-8 ½. All work for retaining wall, steps and a garage.  
Owner—Alex Jacobi, 111 Presidio Ave., San Francisco.  
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.  
Contractor—Emil Hogberg, 180 Jessie St., San Francisco.  
Filed July 26, '19. Dated July 25, '19.  
On completion.....¾  
Usual 35 days.....¼  
TOTAL COST, \$2560  
Bond, limit, forfeit, none. Plans and specifications filed.

(1501) W HYDE 57-6 S Bush S 50x W 95. Brick work, terra cotta flue lining, setting of steel work, etc., for four-story and basement Class "C"

apartment building.  
Owner—Louis D. Stoff, 830 Sutter, St., San Francisco.  
Architect—Albert Schroeffer, 14 Montgomery, San Francisco.  
Contractor—M. B. McGowan, 180 Jessie, San Francisco.  
Filed July 26, '19. Dated July 10, '19.  
Up to 2nd floor joists.....\$1200  
Up to 3rd floor joists.....1000  
Up to 4th floor joists.....1000  
Completed and accepted.....1483  
Usual 35 days.....1562

TOTAL COST, \$6245  
Bond, \$3150. Sureties, Arthur B. Sibley and D. J. Sullivan. Limit, 30 days. Forfeit, none. Plans and specifications filed.

## LEASE.

San Francisco County.  
July 24, 1919—NO 1416 BROADWAY about 72 W Larkin. Sam Schwartz to Mrs Josephine B Seigler. 2 years \$720.  
July 25, 1919—NO. 2989 FOLSOM. G and Pio Di Mauro to Pompei Macaroni Faelory. 10 years. \$18,000.

## NOTICE OF NON-RESPONSIBILITY.

San Francisco County.  
July 21, 1919—W SIXTH bet. Howard and Natoma Nos. 174 and 180 Sixth St. R D McElroy as to improvements on leased property.....

## COMPLETION NOTICES.

### San Francisco County.

RECORDED	ACCEPTED
July 19, 1919—NO. 783 MARKET.	
Humboldt Savings Bank to P F Reilly.....	July 16, 1919
July 23, 1919—NO. 1252 MONTEREY Ave., Berkeley. H L Hansen to O E Nelson.....	July 21, 1919
July 16, 1919—S HANOVER AVE 75 W Newton Ave, Okd. Maude M Wallace to L G Geary July 14, 1919	
July 25, 1919—NO. 201 POWELL & 204 O'Farrell. General Cigar Co Inc, M A Gunst Branch to The Mullen Mfg Co.....	July 18, 1919
July 25, 1919—NW TWENTY-eighth and Sanchez N 34xW 100. Jeremiah Crowley to Thomas McCormick.....	July 12, 1919
July 25, 1919—E MARSILLY 85 S Bosworth E 78-0 ½ SW 109-8 ½ W 0-½ S 161-5 ½ N 76-5 ½ Lots M and N Resbldn Lots 1 to 10 Blik 11, Debono Tract. Michael Costello to whom it may concern.....	July 25, 1919
July 25, 1919—NE PRECITA AVE and Alabama N 30x E 70. Michael Costello to whom it may concern.....	July 25, 1919
July 25, 1919—S TURK 136-6 E Van Ness Ave E 90xS 120. Oscar H Curtaz to whom it may concern.....	July 24, 1919
July 25, 1919—S TARAVAL 57-6 W 30th Ave W 150xS 100. Parkside Realty Co to Nelson Bros.....	July 25, 1919

## LIENS FILED.

### San Francisco County.

July 22, 1919—N TWENTY-SECOND 37-6 E Dolores E 55xN 94. A P Button vs Josephine Patten.....\$160

## BUILDING CONTRACTS

## Alameda County.

The following is an index for the contracts for this time:

No.	Owner	Contractor	Amt.
1522	Larsen	Larsen	6000
1523	Trent	Trent	3130
1524	Anderson	Littlefield	500
1525	Valadon	Valadon	500
1526	Mello	Mello	400
1528	Seminary Av. Ld.	Owner	5400
1529	Herrman	Button	2950
1530	Anderson	Pearson	400
1531	Brown	Brown	400
1532	Leveroni	Hart	450
1533	Robinson	Littlefield	1900
1534	Herrick	Peterson	1500
1535	Mason	Wegner	400
1536	McNair	Moe	400
1537	Morrison	Morrison	1200
1538	Madden	Hambleton	1250
1539	Smith	Smith	4000
1540	Arints	Oakley	2850
1541	Anderson	Matteson	2700
1542	Bradley	Lindquist	2800
1543	Strong	Owner	2000
1544	Cross	Hollenbeck	3000
1545	Same	Same	3050
1546	Same	Same	3100
1547	Same	Same	3250
1548	Same	Same	2100
1549	Same	Same	2500
1550	Same	Same	2700
1551	Same	Same	4200
1552	Hantow	Owner	2500
1553	Johnson	Stanley	800
1554	Doody	Shrader	485
1555	Reeves	Bassett	790
1556	Greuner	Burrell	13000
1557	Miller	Scott	400
1558	Dolan	Dolan	400
1559	City of Oakland	Hunt	12000
1560	McCabe	Chambers	400
1561	Ross	Koski	19000
1562	Noble	Noble	5200
1563	Noble	Noble	3000
1564	Pearson	Swenson	3500
1565	Ambrilgo	Owner	3000
1566	Espagnoble	Knight	3750
1567	Shuck	Haws	4900
1568	Long	Sheridan	3500
1569	Loyd	Clark	2500
1570	Broderick	Branch	400
1571	Bkly Day Nery	Tranmal	640
1572	Jensen	Brown	2000
1573	Goldberg	Owner	500
1574	Davidson	Davidson	400
1575	Cushman	Cushman	500
1576	Abrahamson	Jackson	500
1577	Gernert	Rankin	4000
1578	Aronson	Aronson	2250
1579	Werner	Werner	1500
1580	Nuttee	Sorensen	500
1581	Schonig	Owner	1600
1582	Weisch Presby	Owner	1500
1583	Holberton	Williams	2500
1584	Same	Same	2500
1585	Voorman	Nelson	2800
1586	Ballard	Corbett	475
1587	Bates	Pedgrift	1000
1588	Niemcewicz	Owner	2000
1589	Taylor	Taylor	2800
1590	Taylor	Taylor	2800
1591	Lorenzen	Bertelsen	400
1592	Chevrolet	Am Marble	15500
1593	Same	Cal Art Metal	1960
1594	Same	Fuller	5600
1595	Same	Bradley	5064
1596	Realty Syndicate	Picard	1254
1597	Same	Baccus	3803
1598	Parsons	Engler	3200

(1522) W TWENTY-NINTH AVE 188 and 223 E-16th, Oakland. Two 1-story 5-room dwellings.

Owner—R. K. Larsen, 1550 28th Ave., Oakland.

Architect—None.

Day's work. COST, \$3000 each

(1523) S ANNERELY ROAD 400 E Harvard Road, Oakland. One-story 6-room dwelling.

Owner—Rose Trent, 3256 Grove, Okd.

Architect—None.

Day's work. COST, \$3130

(1524) NO. 519 THIRTEENTH, Oakland. Repairs.

Owner—Harry S. Anderson, 405 13th, Oakland.

Architect—None.

Contractor, R. W. Littlefield, 565 16th, Oakland.

COST, \$500

(1525) E EIGHTY-NINTH AVE 180 N "A," Oakland. One-story 3-room dwelling.

Owner—Wm. Valadon.

Architect—None.

Day's work. COST, \$500

(1526) NO. 2246 E-THIRTY-FIRST, Oakland. Alterations.

Owner—Mrs. John Mello, Premises.

Architect—None.

Day's work. COST, \$400

(1527) NW SIXTY-FIFTH AND Tremont, Oakland. Lath and plaster for three one-story frame dwellings

Owner—J. A. Sullivan, Berkeley.

Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

Contractor—Elmer Davis, 2009 Minnesota, Oakland.

Filed July 21, '19. Dated June 2, '19.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$963

Bond, limit, forfeit, none. Plans and specifications filed.

(1528) E SIXTY-FIRST AVE 320 & 240 S Braun, Oakland. Two one-story 5-room dwellings.

Owner—Seminary Ave. Land Co, Okd.

Architect—None.

Day's work. COST, \$2750 each

(1529) NO. 359 SIXTY-third, Oakland. Two story addition to dwlg.

Owner—E. Herrmann, Premises.

Architect—None.

Contractor—I W. Button, 347 63rd, Oakland.

COST, \$2950

(1530) SEMINARY ROAD ¼ mile N Mills College, Oakland. Chicken house.

Owner—John Anderson.

Architect—None.

Contractor—Ben Pearson, 2403 Grant, Oakland.

COST, \$400

(1531) NO. 965 SIXTY-SECOND AV Oakland. Alterations.

Owner—L. A. Brown, 519 8th, Okd.

Architect—None.

Day's work. COST, \$400

(1532) W SANTA CLARA 500 N Grand, Oakland. Garage.

Owner—Mrs. Leveroni, 462 Crescent, Oakland.

Architect—None.

Contractor—R. L. Hart, 2257 E-21st, Oakland.

COST, \$450

(1533) NE PARK AND UPPER ROAD Oakland. Garage and alter residence.

Owner—Jesse Robinson, Claremont Manor.

Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.

Contractor—R. W. Littlefield, 565 16th, Oakland.

COST, \$1900

(1534) DWIGHT WAY & MILVIA, Berkeley. Add to hospital.

Owner—Dr. L. F. Herrick, 542 Lake Shore Blvd., Oakland.

Architect—None.

Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.

COST, \$1500

(1535) NO. 3144 COLLEGE AVE., Berkeley. Repairs.

Owner—John Mason, Premises.

Architect—None.

Contractor—A. Wegner, 3156 College Ave., Berkeley.

COST, \$400

(1536) NO. 1740 OXFORD, Berkeley Garage.

Owner—F. H. McNair, Premises.

Architect—None.

Contractor—H. A. Moe, 527 43rd, Okd.

COST, \$400

(1537) S FORTY-FIRST 272 W Market, Oakland. One-story 4-room dwelling.

Owner—H. E. Morrison, 929 41st, Okd.

Architect—None.

Day's work. COST, \$1200

(1538) NO. 79 MONTELL, Oakland. Fire repairs.

Owner—Mrs. M. Madden, Premises.

Architect—None.

Contractor—Fred Hambleton, 3727 13th Ave., Oakland.

COST, \$1250

(1539) S EXCELSIOR 300 E Alma Ave., Oakland. Two-story 7-room dwelling.

Owner—M. T. Smith, 436 Moss Ave., Oakland.

Architect—None.

Day's work. COST, \$4000

(1540) S BOND 160 E Vicksburg, Oakland. One-story 6-room dwlg.

Owner—C. A. Arints, Syndicate Bldg., Oakland.

Architect—None.

Contractor—Oakley & Kolmodin, 1911 65th Ave., Oakland.

COST, \$2850

(1541) SE BROOKLYN & MONTclair Ave., Oakland. One-story 5-room dwelling.

Owner—Frank Anderson, 882 24th, Oakland.

Architect—None.

Contractor—Wm. E. Matteson, 3328 Maple Ave., Oakland.

COST, \$2700

(1542) W ARDLEY 55 N E-38th, Oakland. One-story 5-room dwlg.

Owner—Anita E. Bradley, 2639 Hille-gass Ave., Oakland.

Architect—None.

Contractor—John Lindquist, 1634 84th Ave., Oakland.

COST, \$2800



(1513) W COLLEGE AVE 100 N Law-  
ton, Oakland. Alter store.  
Owner—Strong Realty Co., 5649 Col-  
lege Ave., Oakland.  
Architect—A. J. Yerrick.  
Day's work.

COST, \$2000

(1514) W FAIRFAX AVE 45 S  
Ygnacio Ave., Oakland. One-story  
6-room dwelling.  
Owner—P. B. Cross, 1st Savings Bk.  
Bldg., Oakland.  
Architect—Reed & Corlett, Oakland  
Bank of Savings Bldg., Oakland.  
Contractor—G. B. Hollenbeck, 966  
26th, Oakland.

COST, \$3000

(1515) E FAIRFAX AVE 165 N  
Ygnacio Ave., Oakland. One and  
one-half-story 6-room dwelling.  
Owner—P. B. Cross, 1st Savings Bk.  
Bldg., Oakland.  
Architect—Reed & Corlett, Oakland  
Bank of Savings Bldg., Oakland.  
Contractor—G. B. Hollenbeck, 966  
26th, Oakland.

COST, \$3050

(1516) W CONGRESS AVE 45 S  
Ygnacio Ave., Oakland. One and  
one-half-story 6-room dwelling.  
Owner—P. B. Cross, 1st Savings Bk.  
Bldg., Oakland.  
Architect—Reed & Corlett, Oakland  
Bank of Savings Bldg., Oakland.  
Contractor—G. B. Hollenbeck, 966  
26th, Oakland.

COST, \$3100

(1517) W CONGRESS AVE 95 S  
Ygnacio Ave., Oakland. One-story  
6-room dwelling.  
Owner—P. B. Cross, 1st Savings Bk.  
Bldg., Oakland.  
Architect—Reed & Corlett, Oakland  
Bank of Savings Bldg., Oakland.  
Contractor—G. B. Hollenbeck, 966  
26th, Oakland.

COST, \$3250

(1518) NW FIFTIETH AVE AND  
Ygnacio, Oakland. One-story 4-  
room dwelling.  
Owner—P. B. Cross, 1st Savings Bk.  
Bldg., Oakland.  
Architect—Reed & Corlett, Oakland  
Bank of Savings Bldg., Oakland.  
Contractor—G. B. Hollenbeck, 966  
26th, Oakland.

COST, \$2100

(1519) N YGNACIO AVE 58 W 50th  
Ave., Oakland. One-story 4-room  
dwelling.  
Owner—P. B. Cross, 1st Savings Bank  
Bldg., Oakland.  
Architect—Reed & Corlett, Oakland  
Bank of Savings Bldg., Oakland.  
Contractor—G. B. Hollenbeck, 966  
26th, Oakland.

COST, \$2500

(1550) N YGNACIO AVE 100 W 50th  
Ave., Oakland. One-story 5-room  
dwelling.  
Owner—P. B. Cross, 1st Savings Bank  
Bldg., Oakland.  
Architect—Reed & Corlett, Oakland  
Bank of Savings Bldg., Oakland.  
Contractor—G. B. Hollenbeck, 966  
26th, Oakland.

COST, \$2700

(1551) SW COLE AND YGNACIO  
Ave., Oakland. Two-story 7-room  
dwelling.  
Owner—P. B. Cross, 1st Savings Bank  
Bldg., Oakland.  
Architect—Reed & Corlett, Oakland  
Bank of Savings Bldg., Oakland.  
Contractor—G. B. Hollenbeck, 966  
26th, Oakland.

COST, \$4200

(1552) N TAFT AVE 237 W Broad-  
way, Oakland. One-story 5-room  
dwelling.  
Owner—C. H. Hantow, 5455 Manila  
Ave., Oakland.  
Architect—None.  
Day's work.

COST, \$2500

(1553) NO. 752 HIGH, Oakland. One  
story frame warehouse.  
Owner—J. S. Johnson, Premises.  
Architect—None.  
Contractor—C. B. Stanley.

COST, \$800

(1554) NO. 905 WEBSTER, Oakland.  
Repairs.  
Owner—Miles Doody, 1518 E-14th.  
Oakland.  
Architect—None.  
Contractor—J. F. Shrader, 520 16th,  
Oakland.

COST, \$465

(1555) W FIFTY-THIRD AVE 31 N  
E-12th, Oakland. One-story three  
room dwelling.  
Owner—R. E. Reeves, 3324 E-14th,  
Oakland.  
Architect—None.  
Contractor—E. D. Bassett, 3229 E-  
14th, Oakland.

COST, \$790

(1556) E BROADWAY 550 S Mess  
Ave., Oakland. One-story brick  
garage.  
Owner—Wm. Greuner, 172 Grand Ave.  
Oakland.  
Architect—Clay N. Burrell, 1st Svgs.  
Bank Bldg., Oakland.  
Day's work.

COST, \$13,000

(1557) W SEVENTEENTH AVE 100  
N E-20th, Oakland. One-story five-  
room dwelling.  
Owner—H. G. Miller, 421 Laganitas,  
Oakland.  
Architect—None.  
Contractor—G. H. Scott, 685 23rd,  
Oakland.

COST, \$3000

(1558) N CALMAR 70 N Mandana,  
Oakland. Addition.  
Owner—Leo J. Dolan, 2259 E-16th,  
Oakland.  
Architect—None.  
Day's work.

COST, \$400

(1559) LAKESIDE PARK, Oakland.  
One-story band stand.  
Owner—City of Oakland.  
Architect—Reed & Corlett, Oakland  
Bank of Savings Bldg., Oakland.  
Contractor—A. T. Hunt, 474 Perkins,  
Oakland.

COST, \$12,000

(1560) NO. 76 MONTE VISTA, Oak-  
land. Alterations and additions.  
Owner—T. J. McCabe, 5636 Broad-  
way, Oakland.  
Architect—None.  
Contractor—J. F. Chambers, Plaza  
Bldg., Oakland.

COST, \$400

(1561) COR. THIRTEENTH AND  
Washington, Oakland. Alter 1st  
floor of Physicians Building.  
Owner—Roos Bros., Stockton and  
Market, San Francisco.  
Architect—Arthur S. Heineman, 1095  
Monadnock Bldg., San Francisco.  
Contractor—Jackson Koski Co., 35  
Ramona Ave., Oakland.

Filed July 24, '19. Dated July 22, '19.  
On 1st and 15th of each month 75%  
Usual 35 days.

TOTAL COST, \$19,000

Bond, \$9500. Surety, J. F. Carlston.  
Limit, Aug. 15. Forfeit, none. Specifi-  
cations only filed.

(1562) NOS. 1121 AND 1123 VER-  
sailles Ave., Alameda. Two one-  
story 5-room dwellings.  
Owner—Geo. H. Noble, 2205 Santa  
Clara Ave., Alameda.  
Architect—None.  
Day's work.

COST, \$2600 each

(1563) NO. 2714 SAN JOSE AVE.,  
Alameda. One-story 5-room dwlg.  
Owner—Geo. H. Noble, 2205 Santa  
Clara Ave., Alameda.  
Architect—None.  
Day's work.

COST, \$3000

(1564) NO. 1327 PARK AVE., Ala-  
ameda. One-story 6-room dwelling.  
Owner—A. Pearson, 1324 Park, Ala-  
ameda.  
Architect—None.  
Contractor—L. Swenson, 2242 Encinal  
Ave., Alameda.

COST, \$3500

(1565) NO. 1109 COURT, Alameda.  
One-story 6-room dwelling.  
Owner—G. Ambrillo, 1121 Court St.,  
Alameda.  
Architect—None.  
Day's work.

COST, \$3000

(1566) NE MOUND AND SAN JOSE  
Ave., Alameda. One-story 6-room  
dwelling.  
Owner—Alex Espagnoble, Alameda.  
Architect—None.  
Contractor—Harry C. Knight, 1601  
Telegraph Ave., Oakland.

COST, \$3750

(1567) S DELAWARE 140 W Sacra-  
mento, Berkeley. Two one-story  
5-room dwellings.  
Owner—Elizabeth Schuck, 1734 Cali-  
fornia, Berkeley.  
Architect—None.  
Contractor—Chas. H. Haws, 1735 Ad-  
dison, Berkeley.

COST, \$2450 each

(1568) S HOPKINS 80 W Grove  
Berkeley. One-story 6-room dwlg.  
Owner—Roy O. Long, Elks' Club,  
Berkeley.  
Architect—W. L. Broderick, Colusa &  
Posen, Berkeley.  
Contractor—H. P. Sheridan, 2815  
Grove, Berkeley.

COST, \$3500

(1569) N LOT 20 BLK "A" Lake-  
wood Park, Piedmont. One and one  
half-story frame dwelling.  
Owner—N. H. Loyd.  
Designer—Wallace Clark.  
Contractor—Wallace Clark, 1131 Oak-  
land Ave., Oakland.

COST, \$2500

(1570) NO. 1426 FRANKLIN, Oakland  
Alterations.  
Owner—C. W. Broderick, Premises.  
Architect—None.  
Contractor—Brauch & Coffey.  
COST, \$100

(1571) NE SEVENTH AND ADDISON  
Berkeley. Addition.  
Owner—Berkeley Day Nursery, Prem.  
Architect—None.  
Contractor—E. Trammal, 854 54th,  
Oakland.  
COST, \$640

(1572) W TWENTY-THIRD AVE 75  
S Tenth, Oakland. One-story frame  
shop.  
Owner—J. B. Jensen, 942 23rd Ave.,  
Oakland.  
Architect—None.  
Contractor—M. Brown, 1922 E14th,  
Oakland.  
COST, \$2000

(1573) NO. 1321 E-EIGHTEENTH,  
Oakland. Alterations.  
Owner—Meyer Goldberg, Premises.  
Architect—None.  
Day's work. COST, \$500

(1574) E PERALTA 1000 N Carmel,  
Oakland. One-story 4-room dwlg.  
Owner—R. G. Davidson, 4020 Peralta  
Ave., Oakland.  
Architect—None.  
Day's work. COST, \$400

(1575) S PLYMOUTH 100 W 85th  
Ave., Oakland. One-story 2-room  
dwelling.  
Owner—C. A. Cushman, Premises.  
Architect—None.  
Day's work. COST, \$500

(1576) SE THIRTEENTH AND  
Washington, Oakland. Repairs.  
Owner—J. & H. Abrahamson, 1444 San  
Pablo Ave., Oakland.  
Architect—None.  
Contractor—P. H. Jackson & Co., 237-  
247 1st, Oakland.  
COST, \$500

(1577) NO. 6008 ANBURN, Oakland.  
Garage.  
Owner—M. D. Gemert.  
Architect—None.  
Contractor—S. G. Rankin, 712 Had-  
don Road, Oakland.  
COST, \$400

(1578) N SANTA RITA 100 W Ran-  
some, Oakland. One-story 4-room  
dwelling.  
Owner—H. Aronson, 2915 Montana,  
Oakland.  
Architect—None.  
Day's work. COST, \$2250

(1579) E MATHEWSON 70 S Ward,  
Berkeley. One-story 5-room dwlg.  
Owner—Chas. A. Werner, 2416 10th,  
Oakland.  
Architect—None.  
Day's work. COST, \$1500

(1580) NO. 2834 HILLEGASS AVE.,  
Berkeley. Addition.  
Owner—E. T. Nuttco, Premises.  
Architect—None.  
Contractor—Walter Sorensen, 3219  
Ellis, Berkeley.  
COST, \$500

(1581) N THOMPSON 41 E 45th  
Ave., Oakland. One-story 5-room  
dwelling.

Owner—A. Schouig, 4535 Thompson,  
Oakland.  
Architect—None.  
Day's work. COST, \$1600

(1582) NO. 1722 CASTRO, Oakland.  
Alterations.  
Owner—Welsh Presbyterian Church,  
Premises.  
Architect—None.  
Day's work. COST, \$1500

(1583) W LAGUNA 60 N Wilbur,  
Oakland. One-story 4-room dwlg.  
Owner—Geo. C. Holberton, Syndicate  
Bldg., Oakland.  
Architect—None.  
Contractor—Chas. C. Williams, Syn-  
dicate Bldg., Oakland.  
COST, \$2500

(1584) W LAGUNA 100 N Wilbur,  
Oakland. One-story 4-room dwlg.  
Owner—Geo. C. Holberton, Syndicate  
Bldg., Oakland.  
Architect—None.  
Contractor—Chas. C. Williams, Syn-  
dicate Bldg., Oakland.  
COST, \$2500

(1585) SW WALLACE AND E-25th,  
Oakland. One-story 4-room dwlg.  
Owner—Eugene Voorman, 2504 14th  
Ave., Oakland.  
Architect—None.  
Contractor—C. T. Nelson, 920 Clay,  
Oakland.  
COST, \$2800

(1586) NO. 1427 BROADWAY, Oak-  
land. Repairs.  
Owner—Ballard & Anderson, Prem.  
Architect—None.  
Contractor—Corbett & Bayliss, 1110  
Franklin, Oakland.  
COST, \$475

(1587) NW NINETEENTH AND SAN  
Pablo Ave., Oakland. Alterations.  
Owner—C. D. Bates, Oakland Bank of  
Savings Bldg., Oakland.  
Architect—None.  
Contractor—Jas. H. Pedgrift, 565 16th  
Oakland.  
COST, \$1000

(1588) N HILLSIDE 370 E 90th  
Ave., Oakland. One-story 5-room  
dwelling.  
Owner—John Niemcewicz, 90th Ave &  
Hillside, Oakland.  
Architect—None.  
Day's work. COST, \$2000

(1589) N FORTY-THIRD 160 W  
Grove, Oakland. One-story 5-room  
dwelling.  
Owner—G. Taylor, 5566 Taft Ave.,  
Oakland.  
Architect—None.  
Day's work. COST, \$2800

(1590) N FORTY-THIRD 200 W  
Grove, Oakland. One-story 5-room  
dwelling.  
Owner—G. Taylor, 5566 Taft Ave.,  
Oakland.  
Architect—None.  
Day's work. COST, \$2800

(1591) NO. 1546 BROADWAY, Oak-  
land. Alterations.  
Owner—H. Lorenzen, 1801 Pleasant  
Valley Court, Oakland.  
Architect—None.  
Contractor—S. J. Heitelsen, 667 39th,  
Oakland.  
COST, \$400

(1592) FOOTHILL BLVD., HILLSIDE  
St., 72nd Ave., Garfield St., and 69th  
Ave., Oakland. Marble and terrazzo  
work for two-story and basement  
office building.

Owner—Chevrolet Motor Co. of Calif.  
Through Agent P. J. Walker Co.,  
Monadnock Bldg., San Francisco.  
Architect—Geo. W. Kelham, Sharon  
Bldg., San Francisco.  
Contractor—American Marble &  
Mosaic Co., San Francisco.  
Filed July 25, '19. Dated June 28, '19.  
Monthly payments in full for  
materials and labor  
TOTAL COST, \$15,500  
Bond, \$7750. Surety, American In-  
demnity Co. Limit, 30 days. Forfeit,  
none. Plans and specifications filed.

(1593) ORNAMENTAL IRON AND  
bronze work on above.  
Filed July 25, '19. Dated July 11, '19.  
Payments same as above.  
TOTAL COST, \$1960  
Bond, \$980. Surety, National Surety  
Co. Limit, Aug. 15. Forfeit, none.  
Plans and specifications filed.

(1594) GLAZING ON ABOVE.  
Contractor—W. P. Fuller & Co., Beale  
and Mission, San Francisco.  
Filed July 25, '19. Dated July 11, '19.  
Payments same as above.  
TOTAL COST, \$5600  
Bond, \$2800. Surety, Fidelity & De-  
posit Co. Limit, 6 days after notice  
to begin. Forfeit, none. Plans and  
specifications filed.

(1595) PLASTERING ON ABOVE  
Contractor—Peter Bradley, San Fran-  
cisco.  
Filed July 25, '19. Dated July 11, '19.  
Payments same as above.  
TOTAL COST, \$5064  
Bond, \$2532. Surety, Fidelity & De-  
posit Co. Limit, 40 days. Forfeit,  
none. Plans and specifications filed.

PLUMBING WORK  
(1596) S FIFTEENTH 125 E Broad-  
way 25x126, plus ell 13x25, Oakland.  
Plumbing for one-story and base-  
ment Class "C" restaurant.  
Owner—Realty Syndicate Co., Syndi-  
cate Bldg., Oakland.  
Architect—Hamilton Murdock, Syndi-  
cate Bldg., Oakland.  
Contractor—W. H. Pissard, Oakland.  
Filed July 25, '19. Dated July 23, '19.  
Roughed in ..... \$500.00  
Completed and accepted ..... 440.50  
Usual 35 days ..... 313.50  
TOTAL COST, \$1254.00  
Bond, none. Limit, 30 days. Forfeit,  
none. Plans and specifications filed.

(1517) BRICK WORK ON ABOVE.  
Contractor—Wm. J. Bacus, Oakland.  
Filed July 25, '19. Dated July 23, '19.  
Vels up to mezzanine height  
..... \$1426.25  
Completed and accepted ..... 1426.00  
Usual 35 days ..... 950.75  
TOTAL COST, \$3803.00  
Bond, none. Limit, 30 days. Forfeit,  
none. Plans and specifications filed.

FRAME DWELLING  
(1598) LOT 7 BLK 1 Grand View  
Terrace Tract, Berkeley. All work  
for one-story frame dwelling.  
Owner—Dorothy Reints Parsons,  
Berkeley.  
Architect—None.  
Contractor—Louis Engler, 2435 Col-

lege Ave., Berkeley.

Filed July 26, '19. Dated July 22, '19.  
Frame up..... 34  
Plastered..... 34  
Completed..... 34  
Usual 35 days..... 34

TOTAL COST, \$3200  
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

### COMPLETION NOTICES.

#### Alameda County.

Recorded Accepted  
July 25, 1919—NE SUNNYSIDE AV  
100 SE Lake Ave N 103.87 NE  
34.71 SE 29.80 SW 127.04 NW  
51.60, Piedmont, Ranson F and  
Edith L P Beach to Erle Saxton  
..... July 24, 1919  
July 25, 1919—FOOT MARKET ST.,  
Oakland. Howard Co to Healy-  
Tibbitts Constr Co..... July 21, 1919  
July 25, 1919—LOT 41 AND 42 BLK  
8 and Lots 43 and 44 Blk 8 Map  
Auseon Moss Tract, Okd. R J  
Pavert Inc to whom it may con-  
cern..... July 25, 1919

### LIENS FILED.

Recorded Amount

#### Alameda County.

July 14, 1919—E GROVE 279.25 N  
Ashby Ave N 40x E 122.51, Brly.  
Sunset Lumber Co vs Mattie J  
French, W O French and J H  
Baley ..... \$55.88  
July 17, 1919—NW COR. E-FOUR-  
teenth and 100th Ave, Okd. J A  
Freitas to Ada Simpson and H R  
Vail ..... \$367.50  
July 18, 1919—W EIGHTY-SECOND  
Ave 98.62 S Olive S 40x W 125,  
Okd. Sunset Lumber Co vs G H  
Ferrel ..... \$483.13

### BUILDING CONTRACTS.

#### San Mateo County.

PTN LOT 5-A MAP 1, Bowie Estate  
3.077 acre land, Hillsborough. All  
work for plumbing, setting fixtures,  
sewer and gas connections for frame  
dwelling.  
Owner—Mrs. Frank Schwabacher.  
Architect—Howard & White, 35 Mont-  
gomery St., San Francisco.  
Contractor—F. W. Snook & Co., 596  
Clay St., San Francisco.  
Filed July 9, '19. Dated July 9, '19.  
Completed and accepted..... \$1844.00  
Usual 35 days..... 614.50  
TOTAL COST, \$2458.00  
Bond, none. Limit, 100 working days  
after filing. Forfeit, none. Plans and  
specifications filed.  
EL CERRITO AVE near Medway Rd,  
Hillsborough. All work for one-  
story addition to school.  
Owner—Hillsborough School District  
Architect—Lewis P. Hobart, Crocker  
Bldg., San Francisco.  
Contractor—R. Caldwell, 152 Ellis-  
worth St., San Mateo.  
Filed July 9, '19. Dated July 8, '19.  
On 15th of each month..... 75%  
TOTAL COST, \$14,173  
Bond, \$2975. Surety, Deposited First  
National Bank, San Mateo. Limit, 86  
working days. Forfeit, \$25. Plans  
and specifications filed.

NW MAIN AND DONNELLY AVE.,  
Burlingame. All work except elec-  
tric work, fixtures and heating for  
two-story frame show room and  
apartments (Dodge Bros., Motor  
Cars).

Owner—H. W. Dessire, Burlingame.  
Architect—Lewis P. Hobart, Crocker  
Bldg., San Francisco.

Contractor—W. C. Duncan & Co.,  
Sharon Bldg., San Francisco.  
Filed July 8, '19. Dated June 27, '19.  
On 15th of each month..... 75%

TOTAL COST, \$14,007  
Bond, \$7500. Sureties, R. Zelinsky &  
H. L. Kaufman. Limit, 100 days after  
notified to commence work. Forfeit,  
none. Plans and specifications filed.

NE BELLEVUE AVE AND C ST., San  
Mateo. Excavating, concrete, brick,  
carpenter, mill, plumbing, painting,  
sewering, gas fitting, lathing,  
plastering, glazing, electric wiring,  
hardware and sheet metal work for  
one-story frame bungalow.

Owner—A. Guido, San Mateo.  
Architect—Will H. Toepke, 942 Market  
St., San Francisco.

Contractor—H. C. Lewis, 5842 Mission  
St., San Francisco.

Filed July 24, '19. Dated July 22, '19.  
Frame up and sheathed..... \$1184  
1st coat plaster on inside and  
outside..... 1184  
Plastering completed..... 1184  
Completed and accepted..... 1184  
Usual 35 days..... 1579

TOTAL COST, \$6315  
Bond, \$3150. Surety, Myer Frieleman.  
Limit, 100 working days. Forfeit, not  
to exceed \$5 per day. Plans and  
specifications filed.

DE LAS PULGAS AVE., near Ather-  
ton. All work except mantels, elec-  
tric fixtures, shades, finish hard-  
ware and paint (furnished by own-  
er) for two-story, attic and base-  
ment frame and hollow tile resi-  
dence.

Owner—Cutler Bonestell, Atherton.  
Architect—A. D. R. Sullivan, New  
York City, N. Y., and August G.  
Headman, Supervising, 747-8 Call  
Bldg., San Francisco.

Contractor—W. C. Duncan & Co.,  
Sharon Bldg., San Francisco.

Filed July 19, '19. Dated July 17, '19.  
On 10th of each month..... 75%  
Usual 35 days..... Balance

TOTAL COST, \$29,942  
Bond, \$14,971. Sureties, Richard  
Givin and H. L. Kaufman. Limit, 140  
working days. Forfeit, not less than  
\$5. Plans and specifications filed.

W HIGHLAND AVE 280 S Peninsula  
Ave., San Mateo. Excavating, con-  
crete, iron, brick, tile, carpenter,  
tin and galvanized iron, roofing,  
mill, hardware, glass and glazing,  
lathing, plastering, painting, elec-  
tric wiring, plumbing, etc., for one-  
story frame residence.

Owner—A. L. Verneil, San Francisco.  
Architect—None.

Contractor—James R. Catherwood,  
San Mateo.

Filed July 18, '19. Dated July 17, '19.  
Roof on..... \$1118  
Inside plaster completed and  
exterior ready for dash..... 1118  
Completed and accepted..... 1118  
Usual 35 days..... 1369

TOTAL COST, \$4723  
Bond, \$2361.50. Surety, Globe Indem-

nity Co. Limit, 60 or 80 working days.  
Forfeit, none. Plans and specifica-  
tions filed.

### BUILDING CONTRACTS.

#### Sanita Clara County.

LOT 29 of Glen Una Ranch near Los  
Gatos. All work for residence and  
garage.

Owner—William Ohlandt.  
Architect—Milton W. Morrison, 374  
30th Ave., San Francisco.

Contractor—Taylor & Jackson.  
Filed July 19, '19. Dated June 30, '19.  
On 1st of each month..... 75%

Usual 35 days..... 25%  
TOTAL COST plus 8% not to exceed  
\$7600.

Bond, \$3800. Sureties, Chas. J. New-  
man and Rob. Vahlman. Limit, 50 days  
from July 7. Forfeit, \$10 per day.  
Plans and specifications filed.

### COMPLETION NOTICES.

#### Sanita Clara County.

Recorded Accepted  
July 22, 1919—CAMPUS OF STAN-  
ford University, Palo Alto. Board  
of Trustees of Stanford University  
to W P Fuller & Co..... July 18, 1919

### COMPLETION NOTICES.

#### San Mateo County.

Recorded Accepted  
July 22, 1919—SE HAYWARD AVE  
and Highway, San Mateo. Annie  
Franklin to H C Lewis..... July 21, 1919

### BUILDING CONTRACTS.

#### Fresno County.

LOTS 3 AND 4 BLK 2, Buena Vista  
Addition, Fresno. Frame dwelling  
and garage.

Owner—W. L. Foster, 3081 McKenzie  
St., Fresno.  
Architect—None.

Day's work. COST, \$2500

LOT 8 BLK 14, Wilson North Fresno  
Tract, Fresno. Frame dwelling.

Owner—G. A. Manheim, 1303 Wilson  
St., Fresno.  
Architect—None.

Contractor—J. O. Kerrick, 861 T St.,  
Fresno. COST, \$11,000

LOTS 52, 53 AND 54 BLK 15, North  
Park Terrace, Fresno. Two frame  
dwellings and garages.

Owner—J. D. Shorb, Fresno.  
Architect—None.  
Day's work. COST, \$5000 each

LOTS 34 AND 35 Earlhurst, Fresno.  
Dwelling and garage.

Owner—Wm. Gardner.  
Architect—None.  
Contractor—G. H. Stivers, 3452  
Illinois St., Fresno. COST, \$5000

LOTS 7 AND 8 BLK 5, College Addi-  
tion, Fresno. Frame dwelling and  
garage.

Owner—J. A. Caples, Fresno  
Architect—None.  
Day's work. COST, \$4500

## BUILDING AND ENGINEERING NEWS

LOTS 11 AND 12 BLK 25 Belmont Addition, Fresno. Store building.  
Owner—Dow & Neil, 1010 Butler St., Fresno.  
Architect—None.  
Contractor—G. C. Cannon, 1937 Mari-pase St., Fresno. COST, \$2600

FRESNO GAS WORKS, Fresno. All work for plastering office and meter building.  
Owner—Pacific Gas & Electric Co., 1361 J St., Fresno.  
Architect—None.  
Contractor—Hermann Bosch, 740 Du-boce Ave., San Francisco.  
Filed July 21, '19. Dated July 16, '19.  
Completed ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$2390

Bond, \$1200. Surety, Fidelity & Deposit Co. of Maryland. Limit, 25 days. Forfeit, none. Plans only filed

FRESNO AND A STS. and VENTURA and I STS., Fresno. All work for two steel service stations.  
Owner—Associated Oil Co., Rowell Bldg., Fresno.  
Architect—None.  
Contractor—G. R. Shannon and O. Frederickson, Cory Bldg., Fresno

Filed July 21, '19. Dated June 27, '19.  
10 days after completion ..... 75%  
Usual 35 days, balance ..... 25%  
TOTAL COST, \$4054  
Bond, \$4054. Surety, Fidelity & Casualty Co. of N. Y. Forfeit, none. Plans and specifications filed.

NO. 1368 FERGER AVE., Fresno. All work for frame dwelling and garage  
Owner—Al. Klein, Fresno.  
Architect—None.  
Contractor—E. H. Horner, Clinton St. near Palm, Fresno. COST, \$4000

N ONE-THIRD LOTS 1 AND 4 BLK 7, Palm Villa Tract, Fresno. All work for frame dwelling.  
Owner—Fresno Home Building Co., 1231 I St., Fresno.  
Architect—None.

Contractor—F. J. Stone, 304 Mason Bldg., San Francisco.  
Roof on ..... 1/4  
Plastered ..... 1/4  
Completed ..... 1/4  
Usual 35 days ..... 1/4  
TOTAL COST, \$4000

Bond \$2000. Sureties, G. A. Adams and J. A. Venard. Limit, 60 days. Forfeit, none. Plans and specifications filed.

LOT 7 BLK 3, Palm Villa Tract, Fresno. All work for frame dwelling.  
Owner—Fresno Home Building Co., 1231 I St., Fresno.  
Architect—None.  
Contractor—F. J. Stone, 304 Mason Bldg., Fresno.  
Filed July 15, '19. Dated .....  
Roof on ..... 1/4  
Plastered ..... 1/4  
Completed ..... 1/4  
Usual 35 days ..... 1/4  
TOTAL COST, \$3700

Bond \$1875. Sureties, J. A. Adams and J. A. Venard. Limit, 60 days. Forfeit, none. Plans and specifications filed.

NO. 836 S-FOURTH ST., Fresno. Frame dwelling and garage.  
Owner—Fresno Home Building Co., 1231 I St., Fresno.  
Architect—None.  
Contractor—F. J. Stone, 304 Mason Bldg., Fresno. COST, \$4000

LOTS 29 AND 30 BLK 28, Fresno. Frame dwelling.  
Owner—Mrs. Hawkins, Fresno.  
Architect—None.  
Day's work ..... COST, \$1700

ALTERATIONS  
NO. 1034 I ST., Fresno. Alterations.  
Owner—L. L. Cory, 412 Cory Bldg., Fresno  
Architect—None  
Contractor—F. J. Stone, 304 Mason Bldg., Fresno. COST, \$1000

LOTS 21 TO 31 BLK 189, Fresno. Bakery.  
Owner—San Joaquin Baking Co., "P" and Santa Fe Sts., Fresno.  
Architect—None.  
Contractor—R. Peterson Co., Fresno. COST, \$75,000

LOT 1 Dunbar House, Fresno. Apartment house.  
Owner—R. F. Felchin Co.  
Architect—None.  
Day's work ..... Cost, \$30,000

LOTS 23 AND 24 BLK 80, Fresno. Garage.  
Owner—Darbinian Bros., 456 "M" St., Fresno.  
Architect—None.  
Contractor—Trehwhitt-Shields Co., 1819 Eldorado St., Fresno. COST, \$12,000

LOTS 9 AND 10 BLK 7, North Park, Fresno. Frame dwelling and garage.  
Owner—J. S. Canham, Shasta St., Cor. El Dorado St., Fresno.  
Architect—None.  
Contractor—G. H. Stivers, 3452 Illinois St., Fresno. COST, \$12,000

## COMPLETION NOTICES.

## Fresno County.

Recorded ..... Amount  
July 24, 1919—LOT "C" BLK 4, Alta Vista Tract, Fresno. Alta Vista Homes to whom it may concern ..... July 22, 1919

## LIENS FILED.

## Fresno County.

Recorded ..... Amount  
July 21, 1919—LOTS 20, 21, 22 BLK 54, Fresno. Jas E Harrison vs R H Brumbaugh and E A Cochrane ..... \$180

## BUILDING CONTRACTS.

## Marin County.

FRAME DWELLING  
YOLANDA. Carpenter work, etc., for two-story frame dwelling.  
Owner—C. G. Stuhr, Yolanda.  
Architect—Edward E. Young, 251

Kearny St., San Francisco.  
Contractor—John Casty, 110 Jessie St., San Francisco.  
Filed July 21, '19. Dated July 21, '19.  
Frame up ..... \$1200  
When enclosed ..... 1200  
When plastered ..... 1040  
When completed ..... 1040  
Usual 35 days ..... 1495  
TOTAL COST, \$5975  
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

## RELEASE OF LIENS.

## Marin County.

Recorded ..... Amount  
July 22, 1919—BUSH TRACT, San Anselmo. Fairfax Lumber Co to Elizabeth Coppia ..... \$732.32

## COMPLETION NOTICE.

## Marin County.

Recorded ..... Accepted  
July 16, 1919—LOT 189 MAP NO. 2, Pacheco Tract, Fairfax. Florence Winsor to whom it may concern ..... July 15, 1919

## BUILDING CONTRACTS.

## Sacramento County.

NO. 1551 THIRTY-FIFTH ST., Sacramento. Five-room dwelling.  
Owner—C. M. Morrissey, Sacramento.  
Architect—None.  
Contractor—J. Ormand, Sacramento. COST, \$2800

NO. 1614 W ST., Sacramento. Alter-house.  
Owner—Giovanni Copra, Sacramento.  
Architect—None.  
Contractor—P. Leoni, 1330 V St., Sacramento. COST, \$1800

NO. 1213 W ST., Sacramento. Alter-dwelling.  
Owner—Frank Pinetti, Sacramento.  
Architect—None.  
Contractor—Peter Leoni, 1330 V St., Sacramento. COST, \$1800

LOT 5 AND E 60 LOT 6, J. K. 6th and 7th Sts., Sacramento. Alter bldg.  
Owner—Claus & Krauss, 1237 38th St., Sacramento.  
Architect—None.  
Contractor—John L. Siller, 1400 P St., Sacramento. COST, \$12,273

LOT 1 K, L, 15th and 16th Sts., Sacramento. Alter and add to garage.  
Owner—J. S. Gattman and D. S. Wasserman, 2821 T St., Sacramento.  
Architect—None.  
Contractor—Wm Murcell, 527-8 Ochsen Bldg., Sacramento.  
Dated July 8, 1919. 90 days.  
COST, \$23,149

W 1/2 LOT 7, J, K, 15th and 16th Sts., Sacramento. Brick garage.  
Owner—Peter Newman Co., 1428 K St., Sacramento.  
Architect—None.  
Contractor—Ed. Book, 2912 G St., Sacramento. COST, \$10,000

NO. 1471 EIGHTH ST., Sacramento.  
Alter basement.  
Owner—Mosaic Law Congregation.  
Architect—None.  
Contractor—G. E. Harvie, 2212 T St.,  
Sacramento. COST, \$3450

N ½ E ¾ LOT 4, J. K. 7th and 8th  
Sts., Sacramento. Painting, varnish-  
ing and interior decorating in bank.  
Owner—Peoples Savings Bank, J and  
8th Sts., Sacramento.  
Architect—None.  
Contractor—A. G. Disi.  
Dated July 16, 1919 COST, \$2000

NO. 1326-28 P ST., Sacramento. Ad-  
ditions and alterations.  
Owner—L. F. Black, Sacramento  
Architect—None.  
Contractor—C. Vanina, 2022 M St.,  
Sacramento. COST, \$1843

SACRAMENTO. Alter store front of  
brick building.  
Owner—The Oaks Co., Sacramento.  
Architect—None.  
Contractor—Chas. Vanina, 2022 M St.,  
Sacramento. COST, \$1950

Architect—A. B. Clark, Res. 4, Cabrillo  
Campus, Palo Alto.  
Contractor—Kings Elec. Co., 1206  
Broadway, Oakland.  
Filed July 17, '19. Dated July 10, '19.  
On 1st of each month..... 75%  
Usual 35 days..... 25%  
TOTAL COST, \$4600  
Bond, \$2300. Surety, National Surety  
Co. of New York. Limit, to be given  
later. Forfeit, none. Plans and speci-  
fications filed.

HEATING AND VENTILATING SYS-  
tems complete on above.  
Contractor—L. D. Frazee, 699 36th St.,  
Oakland.  
Filed July 17, '19. Dated July 15, '19.  
Payments same as above.....  
TOTAL COST, \$5541  
Bond, \$2771. Surety, The Fidelity &  
Casualty Co. of New York. Limit, to be  
given later. Forfeit, none. Plans  
and specifications filed.

NO. 3410 FORTY-THIRD ST., Sacra-  
mento. Frame dwelling and gar-  
age.  
Owner—E. A. Thiele, Sacramento.  
Architect—None.  
Day's work. COST, \$1565

LOT 1, L. M. 5th and 6th Sts., Sacra-  
mento. Garage.  
Owner—Mrs. Ida M. Frazier.  
Architect—None.  
Contractor—G. D. Hudnutt, California  
Fruit Bldg., Sacramento. COST, \$16,493

CAMPUS OF STANFORD UNIVER-  
sity, Palo Alto. All work for elec-  
trical and telephone systems com-  
plete.  
Owner—Mrs. Lou Henry Hoover,  
Stanford University, Palo Alto.

W 30 FEET LOT 7 J. K. 13th and 14th  
Sts., Sacramento. Frame public  
garage.  
Owner—Ferguson Burns Estate, Sacra-  
mento.  
Architect—None.  
Contractor—G. E. Harvie, 2212 T St.,  
Sacramento.  
Dated July 12, 1919 COST, \$8250

NO. 109 M ST., Sacramento. Fireproof  
candy store.  
Owner—A. Marino, 415 M St., Sacra-  
mento.  
Architect—None.  
Contractor—C. Vanina, 2022 M St.,  
Sacramento. COST, \$3500

NO. 1623 FORTY-FIRST ST., Sacra-  
mento. Frame dwelling.  
Owner—H. L. Dean, 1931 J St., Sacra-  
mento.  
Architect—None.  
Contractor—R. M. Smith, 2633 30th  
St., Sacramento. COST, \$3500

### LIENS FILED.

Sacramento County.

Recorded	Amount
July 17, 1919—CHATEAU ON BLK	
"D" Subd 7, North Sacramento.	
John Weston vs G M Juiler et al	
	\$48.19

### STATE OF CALIFORNIA. DEPARTMENT OF ENGINEERING. CALIFORNIA HIGHWAY COM- MISSION.

#### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be re-  
ceived at the office of the California  
Highway Commission, 515 Forum  
Building, Sacramento, Cal., until 2  
o'clock P. M., on August 19, 1919, at  
which time they will be publicly  
opened and read for the construction  
in accordance with the specifications  
thereof, to which special reference  
is made, portions of State highway as  
follows:

Kern County, between Southerly  
Boundary and 2.3 miles south of Rose  
Station (VI-Ker-4-A), about 10.7 miles  
in length to be paved with Portland  
Cement Concrete.

Los Angeles County, between Santa  
River and Williams Ranch (VII-LA-  
23-B), about 1 9-10 miles in length to  
be paved with Portland Cement Con-  
crete.

Plans may be seen, and forms of  
proposals, bonds, contracts and speci-  
fications may be obtained at the said  
office and they may be seen at the  
office of the Division Engineers at  
Los Angeles and San Francisco, and at  
the office of the Division Engineer of  
the division in which the work is  
situated. The Division Engineers' of-  
fices are located at Willits, Dunsuir,  
Sacramento, San Francisco, San Luis  
Obispo, Fresno, and Los Angeles.

No bid will be received unless it is  
made on a blank form furnished by  
the Commission. The special atten-  
tion of prospective bidders is called  
to the "Notice to Contractors" annexed  
to the blank form of proposal, for  
full directions as to bidding, quanti-  
ties of work to be done, etc.

The Department of Engineering re-  
serves the right to reject any or all  
bids or to accept the bid deemed for  
the best interests of the State.

NEWELL D. DARLINGTON,  
CHARLES A. WITMORE,  
GEORGE C. MANSFIELD,  
California Highway Commission.  
AUSTIN B. FLETCHER,  
Highway Engineer.

WILSON R. ELLIS,  
Secretary (\*)

Dated July 21, 1919.

### BIDS WANTED FOR 16 BRIDGES.

RED BLUFF, Tehama Co., Cal.—  
Bids have been ordered received by  
the County Supervisors for the con-  
struction of the following bridges:

Brewery Creek, South Fork of Cot-  
tonwood Creek, Dry Creek near Al-  
ford's Hooker Creek, South Fork of  
Reed's Creek near Johnson's Cold  
Fork of Cottonwood Creek (Hunter),  
Oak Creek near Brophy's, North Fork  
of Mill Creek (two bridges), South  
Fork of Battle Creek, slough between  
Los Molinos and Tehama, Woodson  
Avenue, South Fork of Deer Creek  
and three bridges on Tehama road.

### SCHOOL BIDS WANTED.

FRESNO, Fresno Co., Cal.—Bids  
will be received by Architects Swartz  
& Swartz, 624 Rowell Bldg., Fresno,  
up to August 1st, 3 P. M., for the con-  
struction of a frame school building;  
two rooms and an auditorium, for the  
San Joaquin School District, Fresno  
County. H. M. Crooker is Clerk of  
the District.

### BIDS WANTED FOR NEVADA HIGH- WAY IMPROVEMENT.

#### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be re-  
ceived by undersigned to 12 o'clock  
Noon, August 5, 1919, for construction  
of the following sections of the State  
Highway System of Nevada:

(1) State Highway from Reno to  
Sparks, Washoe County, 0.97 miles.  
Approximately 2600 cu. yds. Excava-  
tion unclassified; 13,682 sq. yds. Ce-  
ment Concrete Paving 6" thick; 5 cu.  
yds. Class "B" Concrete; 769 yds. Sta.  
Overhaul; 92 lin. ft. 15" Metal Pipe;  
42 lin. ft. 24" Metal Pipe; 17 Monu-  
ments; 2 Sign Posts. Cement, rock  
and sand furnished by State. Time  
limit, 120 days.

(2) State Highway from Washoe  
Summit to Steamboat Springs,  
Washoe County, 4.68 miles. Approx-  
imately 18,000 cu. yds. Excavation  
unclassified; 41,179 sq. yds. Cement  
Concrete Paving 6" thick; 65 cu. yds.  
Class "A" Concrete; 32 cu. yds. Class  
"B" Concrete; 40 cu. yds. Dry Rub-  
ble Masonry; 422 lin. ft. 15" Metal  
Pipe; 288 lin. ft. 18" Metal Pipe; 26  
lin. ft. 24" Metal Pipe; 38 lin. ft. 30"  
Metal Pipe; 30 lin. ft. 36" Metal Pipe;  
26 lin. ft. 15" Vitrified Pipe; 120 lin.  
ft. Guard Rail; 87 Monuments and 2  
Sign Posts. Cement, rock and sand  
furnished by State. Time limit, 270  
days.

Plans may be examined and forms  
of proposals, contract and specifica-  
tions secured at office of undersigned  
may also be examined at County  
Clerk's office in Reno, Nevada. Cash  
deposit of \$15.00 with undersigned  
required for copy of each of above plans  
which will be refunded on their re-  
turn in good condition. Bids must be  
on proposal form of Highway De-  
partment. Right is reserved to re-  
ject any or all bids.

C. C. COTTRELL,  
State Highway Engineer.  
Carson City Nevada.

### PROPOSALS FOR WIRE SPIKES AND BALING WIRE.

ENGINEER OFFICE, U. S. Army, 405 Custom House, San Francisco, Cal.—Sealed proposals will be received here until 10:00 A. M., August 1, 1919, and then publicly opened, for Wire Spikes and Baling Wire. Further information on application. Order No. 1856.

### PROPOSALS FOR RIP-RAP STONE

ENGINEER OFFICE, U. S. Army, 405 Custom House, San Francisco, Cal.—Alternative sealed proposals will be received here until 10:00 A. M., Aug. 1, 1919, and then publicly opened, for furnishing and delivering rip-rap stone. Further information on application. Order No. 1854.

### LUMBER BIDS WANTED.

SEALED BIDS are wanted by the commissioner of Indian Affairs, Washington, D. C., until August 1, 1919, for furnishing lumber for Salem, Oregon.

### SCHOOL BONDS.

WILLOWS, Glenn Co., Cal.—The election held to vote bonds of \$20,000 with which to erect a new school in the Ord District failed to carry. It is said that sentiment was unanimous for a new school building, but that the fight was over whether the school should be rebuilt on the present site or on a site which proponents claimed was nearer the center of population.

ANTIOCH, Contra Costa Co., Cal.—Bonds of \$94,000 have been voted here for a new grammar school building.

MARTINEZ, Contra Costa Co., Cal.—Bonds of \$125,000 have been voted here for the construction of a new high school building on South Street.

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors will receive bids up to August 11th for the purchase of the \$33,000 bond issue of the Geversville School District.

Henry C. Smith, Humboldt Bank Bldg., San Francisco, is the architect.

WINTERS, Yolo Co., Cal.—The Trustees of the Winters School District are planning a bond issue with which to erect a new school building. A one-story concrete structure costing about \$40,000 is planned.

### BONDS.

SAN MATEO, San Mateo Co., Cal.—The fire protection bond issue planned by the San Mateo City Trustees has been raised to \$45,000 on recommendation of City Engineer W. C. Hammatt. The money divided as follows:

Dox fire alarm system, \$24,000.  
Triple combination fire engine, \$13,800.

Moving high pressure pump, \$5,570.

Bonds are also to be voted to finance the paving of the following streets:

Peninsular avenue from D to H St.  
First avenue from B street to Central grammar school.

Cypress court from Railroad avenue to C street.

Hilltop road from El Camino Real to West Bellevue avenue.

Vancouver avenue in El Cerrito Park.

Laurel avenue, Seventh and Eighth avenues and Ninth avenue between B street and the railroad, all in the Hayward addition.

### ROAD BONDS.

MARTINEZ, Contra Costa Co., Cal.—The bond issue held to vote \$2,600,000 to finance construction of a county highway system carried by a vote of 22 to 1.

### HIGHWAY BONDS.

SAN DIEGO, Cal.—The County Supervisors have appointed a highway commission to investigate and report on a system of county roads to be paved under a bond issue. It is expected the county will be asked to vote approximately \$2,500,000 bonds. The commission is composed of Col. Ed. Fletcher, Sherwood Wheaton and F. M. White, president of the Benson Lumber Co.

FLORENCE, Ariz.—The Pinal County Highway Commission has decided to ask the county to vote \$1,000,000 bonds for new roads. The Commission plans to spend \$178,000 on the Casa Grande to Florence road, \$164,100 on the road from Casa Grande to Pima County; \$26,000 on the road from Casa Grande to Sacaton, and \$40,000 on the road from Casa Grande to the Papago reservation in addition to other projects.

### BONDS FOR WATER SYSTEM.

ARCADIA, Los Angeles Co., Cal.—The proposed \$150,000 water bond issue which will be submitted to the voters on August 5, will provide for sinking a well in the San Gabriel basin, south of Monrovia, constructing about 15 miles of pipe line to the city, constructing two new reservoirs and installing one well pump and two Booster pumps.

### TO SURVEY FOR DAM.

MONTGOMERY CREEK, Shasta Co., Cal.—H. E. C. Fusier, chief engineer of the Pitt River Power Company, has started a survey at the mouth of Potein Creek in Pitt River, where the company proposes the construction of

a huge dam. The lower dam planned by the company is to be two miles up stream from Copper City.

### PLANS ORDERED FOR SEWER IMPROVEMENT.

SAN BERNARDINO, Cal.—Plans have been ordered for sewers in Mt. Vernon avenue and Mill street to connect with the outfall sewer; in Bell street between Base Line and Thirteenth and in Magnolia between E and F streets. Plans for sewers in Frazier alley between D street and Arrowhead avenue, and in D street between Highland avenue and Frazier alley, were approved.

### DIGGING TRENCH AND FILL BIDS WANTED.

GRASS VALLEY, Nevada Co., Cal.—Bids will be received by the City Trustees, C. F. Lobecker, City Clerk, up to August 1st, 8 P. M., for digging about 3,200 feet of trench and filling in same. Further information may be had from the City Clerk.

### PAVING PLANNED.

GLENDALE, Los Angeles Co., Cal.—City Engineer H. A. Eddy has been instructed to prepare plans and specifications for 7,400 lineal feet of concrete paving on the Sycamore Canyon road. The pavement will 50 and 56 feet wide and 5 inches thick, with oil and rock screenings surface.

### PAVING CONTRACT AWARDED.

LODI, San Joaquin Co., Cal.—The City Trustees have awarded a contract to the Clark & Henery Construction Co. for the paving of Sacramento street from Lockeford street to the northern city limits. Their bid was as follows: Grading, 2 cents per square foot; warrenite paving, 20½ cents per square foot; curbs, 42 cents per linear foot, and gutters, 22½ cents per square foot. Other bids were: The Federal Construction Company placed the following bid: Grading, 2.8 cents per square foot; paving, 22 cents per square foot; curbs, 44 cents per linear foot, and gutters, 22 cents per square foot. Hugh Crumney also placed a bid of 2.8 cents for grading; paving, 23 cents; curbs, 40 cents, and gutters, 27 cents.

### PAVING CONTRACT AWARDED.

SAN BERNARDINO, Cal.—R. T. Shea Co., of Riverside, submitted the lowest bid and was awarded the contract at \$54,740 for constructing about 2½ miles of concrete roadway and stone curbs on Hermosa avenue in Improvement District No. 7. A. J. Lineau submitted a bid at \$66,000 and W. C. Cline of Upland, a bid of \$64,000.

### STREET WORK CONTRACT AWARDED.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have awarded a contract to Clark & Henery Construction Co., Ochsner Bldg., Sacramento, for the following work:

Improving Freeport Boulevard, from "Y" street to Second avenue by constructing concrete curb and gutter; concrete sidewalk; 1 concrete man-hole; placing 9 cast iron gutter drains and connecting same to sewer with 6 inch vitrified ironstone sewer pipe; 8 inch vitrified sewer pipe; grading the roadway and constructing a pavement of hydraulic concrete foundation and a bitulithic wearing surface.

### Bridge Bids Ordered Received.

EUREKA, Humboldt Co., Cal.—Bids will be received by the County Board of Supervisors up to August 12th, for the construction of three bridges as follows:

The Van Duzen bridge near Dinsmore's, the Korbel bridge and the one at Hyampom crossing. Plans may be had from the County Clerk at Eureka.

### SCHOOL BIDS OVER ESTIMATE.

MANTECA, San Joaquin Co., Cal.—Bids received by the Trustees of the Calla School District for the construction of the new school building planned by the District, from plans prepared by Architects Wright & Sala, Bank of Italy Bldg., Stockton, Cal., were all over the estimate. The highest bid submitted was \$19,700 while the lowest was \$18,500. There is \$14,000 available for construction.

It is probable that plans will be revised and new bids called.

DURHAM, Butte Co., Cal.—The Trustees of the Durham School District have rejected all bids submitted for the erection of the new grammar school.

After a few changes are made in the specifications new bids will be called for. W. H. Weeks, 75 Post St., San Francisco, is the architect.

### STREET WORK PLANS ORDERED.

SACRAMENTO, Cal.—Acting on the petition of the Sixteenth Street Improvement Club of Sacramento, asking the co-operation of the County Board of Supervisors in the construction of the proposed subway at Sixteenth and "B" streets, the County Board ordered the County Surveyor to prepare plans and specifications for the improvement of Sixteenth street from Auburn Boulevard to the city limits.

### ORNAMENTAL LIGHTING SYSTEM PLANNED.

ORANGE, Orange Co., Cal.—The City Trustees have called for plans for an ornamental lighting system on Glassell street and Chapman avenue. About 157 posts will be required.

### HIGHWAY BIDS WANTED.

HOLBROOK, Ariz.—Until 2 p. m., August 4, bids will be received by the Navajo County Highway Commission for improving the Holbrook-Winslow road from La Roux Wash to St. Joseph, involving 4.8 miles grader work, 10,500 cubic yards excavation, 7,000 cubic yards gravel surfacing, 75 cubic yards rubble paving, 18 cubic yards rubble masonry and placing 168 linear feet culvert pipe; also for improving two miles of the Dry Lake-Heber road north of the boundary of the Sitgreave National Forest, involving clearing and grubbing five acres, 7,000 cubic yards earth excavation, 200 cubic yards rock excavation, 45 cubic yards rubble paving, 10 cubic yards rubble masonry, 40 cubic yards concrete and placing 50 linear feet 30-inch culvert pipe. W. E. Ferguson, Secretary.

### BIDS TO BE CALLED SHORTLY ON ADDITIONAL BARRICKS, ETC., AT SAN DIEGO.

SAN DIEGO, Cal.—Bids will be taken in September on contracts amounting to about \$1,000,000 for constructing an administration building, power house, additional barracks and storage houses, sewer, water and lighting systems for the Marine Brigade post on Dutch Flats, San Diego, according to announcement made by Com. Norman Smith, public works officer for the twelfth naval district, Timken Bldg., San Diego. Plans and specifications for this work are now being completed.

### EXCAVATING, GRADING AND FILLING CONTRACT AWARDED.

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, has awarded a contract to Porter Bros. Co., 524 Railway Exchange Bldg., Portland, Ore., for excavating, grading and filling at the Puget Sound Navy Yard on their bid of \$326,000, work to be completed in 300 days. The work is provided for under Specification No. 3256.

### TRESTLE SURFACING BID OPENED

SACRAMENTO, Cal.—At the last meeting of the County Supervisors the Clark & Henery Construction Co., Ochsner Bldg., Sacramento, was the only bidder for the work of placing an asphalt surface on a trestle on the lower Stockton road and on a trestle on the road between Galt and New Hope. The bid was for 28.5 cents per square foot. It was referred to the contract committee.

### INFORMAL BIDS ACCEPTED BY S. F. BOARD OF PUBLIC WORKS.

SAN FRANCISCO—The Board of Public Works has accepted the informal offer of the Worthington Co. for the following materials to be used in connection with the Hetch-Hetchy project:

3½"x6" Deane vertical triplex single acting power pump fig. 878; code word X J F. I. D. Cat. D-204, 250 lbs. working pressure at \$492 f. o. b. Los Angeles.

1 pr. pulleys fitted to pump shaft and set collar, \$28 f. o. b. Los Angeles

The informal bid of Meese & Gottfried, at \$1182.60 for a Rex elevator chain for the Municipal asphalt plant has also been accepted by the Board.

### BRIDGE BIDS WANTED.

SAN DIEGO, San Diego Co., Cal.—Until August 6 bids will be received by the Supervisors of San Diego County for constructing a 200-ft. girder type reinforced concrete bridge at La Costa. The bridge will consist of five 40-ft. spans involving 998 cu. yds. excavation, 579 cu. yds. Class A concrete, 177 cu. yds. Class B concrete, and 40 tons reinforcing steel.

### BRIDGE BIDS WANTED.

YUBA CITY, Sutter Co., Cal.—The County Clerk has been instructed to advertise for bids for the construction of a new bridge across Butte Slough where the structure known as the Mawson bridge now stands.

According to the estimate of County Engineer Earl Cope the structure will be 1,500 feet in length and will be of concrete construction.

### POWER PLANT PLANS UNDER WAY.

SEATTLE, Wash.—A large 8-bent concrete structure, 120x80 feet in size with full basement will house the new unit of the Lake Union steam plant authorized in a bill passed by the council recently.

The plans of City Architect Daniel Huntington will, when completed, call for a structure adjoining the present building which will have a clearance between the roof girders and the main floor of 35 feet. A large travelling crane now in use in the present unit will enter the new building when completed. The bulk of the wall area will be taken up with metal sash windows.

The council bill provides for the sale of \$1,250,000 in bonds to pay for the new unit, the greater portion of the cost to be spent for machinery and equipment.

**STREET WORK BIDS WANTED.**

REDDING, Shasta Co., Cal.—Bids will be received by the City Council, Leslie Engram, City Clerk, up to Aug. 11th, 8 P. M., for the following work:

That Market street from Trinity be graded and paved with a 4 inch Portland cement concrete base and a 1½ inch Bitulithic wearing surface; also curbed, guttered and sidewalked on both sides thereof to the official grade.

**ROAD WORK BIDS WANTED.**

SACRAMENTO, Cal.—Bids have been ordered received by the County Supervisors up to August 11th, 10 A. M., for the improvement of the Jackson road from Perkins to the Concrete highway on the Jackson road. The distance to be paved is 6 miles.

Bids were also ordered received on the same date for a concrete stretch on the Winding Way road from the cement highway to Minnesota avenue in Fair Oaks.

Plans may be had from the County Clerk at Sacramento.

**ROAD BIDS REJECTED.**

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors have rejected bids received for the improvement of the Bodfish Mill Road in Supervisor District No. 1, bids being received as follows:

Surveyor estimate, Bid A.....	\$ 35,270
Surveyor estimate, Bid B.....	47,470
Surveyor estimate, Bid C.....	82,749
J. W. McDonald, Bid A.....	\$ 54,000
J. W. McDonald, Bid B.....	75,000
J. W. McDonald, Bid C.....	129,000
Bos & O'Brien, Bid A.....	\$ 57,200
Bos & O'Brien, Bid B.....	72,700
Bos & O'Brien, Bid C.....	129,700
W. A. Bechtel, Bid C.....	\$157,500
Raisch Improvement Co., Bid \$ 46,250	
Henry A. Pfister is County Clerk.	

**STREET WORK BIDS OPENED.**

FRESNO, Fresno Co., Cal.—Bids for the paving of "F" street from Fresno to Merced were received by the City Council as follows:

Thompson Bros., Fresno.....	\$6,040.80
California Road & Improve- ..	
Co., Fresno.....	6,045.76
Hugh Crumney, S. F.....	6,165.44
For the Paving of "N" Street and Glenn avenue the following bids were received:	
Thompson Bros., Fresno.....	\$40,949.40
California Road & Improve- ..	
ment Co., Fresno.....	40,971.71
Hugh Crumney, S. F.....	41,877.49

**RAILROAD WORK PLANNED.**

SACRAMENTO, Cal.—A branch of the Southern Pacific Company will be operating through the center of Sutter Basin within sixty days, accord-

ing to word received from the New York offices of the Southern Pacific Company by George Maddock of the Sutter Basin Company.

This railroad is to be approximately eighteen miles long, and will be built as a spur from the Sacramento-Knights Landing-Marysville Southern Pacific Line. It will start at Sacramento Slough, not far from Knights Landing, continue north through the center of District 1500, and end at Tisdale By-pass.

**TO COMPLETE YARD WORK AT SAN FRANCISCO HOSPITAL. HETCH-HETCHY APPROPRIATION RECOMMENDED.**

SAN FRANCISCO.—City Architect John Reid Jr. recommends that the Supervisors be requested to authorize the Board of Public Works to advertise for bids and let contracts for the completion of the yard work of the NE and SE wings of the San Francisco Hospital. Estimated cost, \$20,000.

(Completion and equipment of San Francisco Hospital, \$50,000. Funds have been appropriated in Budget Item No. 69, 1919-20).

City Engineer recommends that the Board of Supervisors be requested to appropriate the sum of \$300,000 out of 1910 water construction bond fund for the prosecution of Hetch-Hetchy work other than by formal contract.

**SAN JOAQUIN RIVER PROJECT TO BE SURVEYED.**

STOCKTON, Cal.—At the request of Congressman Curry the Board of Army Engineers has directed Colonel Rand to proceed immediately with the survey of the San Joaquin river to Stockton with a view to determining the feasibility of a deep waterway to the ocean.

It is the hope of the war department that the survey can be completed in time to make provisions for the project in the next rivers and harbors bill.

**BIG RESORT PLANNED IN TEHAMA COUNTY INCLUDES 400 HOMES.**

CORNING, Tehama Co., Cal.—Plans to subdivide and improve the 480-acre Hampton ranch, known as Mineral Springs, at Mineral, are being made by the new owners, W. N. Woodson and Fred G. Beresford of Corning and H. P. Stice of Red Bluff, who have just acquired the place in a deal announced here.

It is planned to erect a large saw-mill and a water and sewer system.

The erection of 400 or more Summer homes, which, with the mineral springs, will make the place a good vacation spot, is also contemplated.

**Hire and Operation of Dredging Plant Contract Awarded.**

The contract for hiring and operating dredging plant, bids for which were opened by the U. S. Engineer Officer at San Francisco on June 12, has been awarded to the Olympian Dredging Co., 249 1st St., San Francisco, at from \$100,000 to \$300,000.

**PROSPECTIVE BIDDER FOR MARE ISLAND SHOP BUILDING.**

WASHINGTON, D. C.—The Bethlehem Steel Bridge Corporation, Wilkins Bldg., Washington, D. C., has secured plans from the Bureau of Yards and Docks, Navy Department, for the completion of the structural shop at Mare Island, Calif., the estimated cost of which is \$430,000. The work comes under Specification No. 3719.

**NEW CONTRACTING FIRM AT NAPA.**

NAPA, Cal.—F. A. Younger, for the past two years Manager for the Corlett Planing Mills, has resigned, and with Leslie Brisbin, has gone into the general contracting business. They have established an office in the Napa Bank Building.

**STREET WORK PLANNED.**

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the following work:

That the S half of 16th street, from Adeline to Kirkham streets, be graded curbed with concrete, guttered with brick gutters, 14 inches wide, and paved with an asphalt pavement.

**ENGINEER SELECTED FOR SACRAMENTO FILTRATION PLANT**

SACRAMENTO, Cal.—Major Charles Gilman Hyde has been selected by Commissioner of Public Works John Q. Brown as Chief Consulting Engineer for the construction of the filtration plant. Brown will present the matter to the City Commission within the next few days.

Bonds of \$1,800,000 have been voted for the proposed work.

**CONCRETE HIGHWAY CONTRACT AWARDED.**

HERCULES, Contra Costa Co., Cal.—Bates & Borland, 592 Market St., San Francisco and Oakland Bank of Savings Bldg., Oakland, have been awarded the contract for the construction of a concrete highway through the Town of Hercules on their bid of about \$20,000. The work covers a stretch of about ¾ of a mile,



## CLEVELAND FIRM TO BUILD GOODYEAR PLANT.

LOS ANGELES, Cal.—W. J. Hunkin, of the Hunkin-Conkey Construction Co. of Cleveland, which will do all the construction work of the Goodyear Rubber Company's manufacturing plant to be established at Ascot Park, has arrived in Los Angeles, and has assumed active charge of construction work. An office has been established at Ascot Park in the old grand stand building and purchases are now being made for machinery and building materials for the new plant. Surveys for the different buildings to comprise the plant are now being made by the company's engineers and construction of the buildings will commence at the earliest date possible.

## TO CALL BIDS FOR MARE ISLAND AMMUNITION BUILDINGS.

WASHINGTON, D. C.—Bids will be called by the Bureau of Yards and Docks, Navy Department, Washington, D. C., in the immediate future for the construction of two buildings at the Naval Ammunition Depot at Mare Island, Calif. The buildings come under Specification No. 3991, and will have concrete foundations, footings and floors, tile walls, stuccoed tile partitions, lathing and plaster, wood floors and roof sheathing, built-up roofing of asphalt and slag, galvanized sheet steel gutters, downspouts and skylights, lightning protection, steel sash and doors, steel racks for gyros and torpedoes, steel columns and roof framing, wood doors and interior finish, painting, glazing, hardware, heating, plumbing, wiring, hand-operated crane, with electric hoist and railroad.

## BRIDGE CONSTRUCTION URGED.

MODESTO, Stanislaus Co., Cal.—The Stanislaus County Board of Trade, through its Secretary, George T. McCabe, has written the State Highway Commission asking the construction of a temporary bridge over the Stanislaus River at Ripon, pending the completion of permanent repairs to the present structure.

## POST EXCHANGE REPAIR CONTRACT AWARDED.

WASHINGTON, D. C.—The Bureau of Yards & Docks, Navy Department, has awarded a contract to Grace & Bernieri, Claus Spreckels Bldg., San Francisco, at \$4,600 for repairs to the Post Exchange at Mare Island, work to be completed in 30 days. The work is provided for under Specification No. 3992. Work is well under way.

## S. F. ENGINEER AT WORK ON SHASTA COUNTY PROJECT.

MARTIN, Shasta Co., Cal.—Engineer Fred H. Tibbetts, Alaska Commercial Bldg., San Francisco, has been commissioned by J. W. Forgeus, San Francisco capitalist, to examine and prepare estimates on the construction of an irrigation district for Fall River Valley.

## GOVERNMENT DREDGING BIDS WANTED.

U. S. ENGINEERING OFFICE, Honolulu, H. T.—Sealed bids for dredging in Honolulu Harbor will be received at this office until 11 A. M., August 26, 1919, and then opened. Further information on application to this office or to the U. S. Engineer Office, Custom House, San Francisco, Calif.

## ROCK FILL WORK PLANNED.

SAN FRANCISCO.—The Board of Public Works has requested the Supervisors to adopt an ordinance authorizing the calling of bids for a rock fill adjacent to the Islais Creek bridge, the work to cost in the neighborhood of \$7,500.

## STREET WORK PLANNED.

SANTA ROSA, Sonoma Co., Cal.—At the last meeting of the City Council a resolution was passed that improvements be made on E street, between the south property line of Fourth street, to the north end of the Santa Rosa Creek bridge. This street is to be paved with concrete, three inches in thickness and covered with a layer of pure liquid asphalt.

A motion was carried that notices for bids on the street work to be done on First street and on Stewart street be posted.

## PAVING PLANNED.

BAKERSFIELD, Kern Co., Cal.—The City Council has adopted plans and specifications and adopted resolutions of intention to improve the following streets by paving with asphalt concrete and Warrentite surface: Seventeenth St. from A to Q Sts.; Q St. from Truxtun Ave. to Nineteenth St.; Cedar St. from Seventeenth to Eighteenth Sts.; K St. from Fourteenth to Eighteenth Sts.; Twenty-first St. from H to I Sts.; Twenty-second St. from H to L Sts.; Twenty-third St. from H to Chester Ave.; Twenty-fourth St. from H to Chester Ave.; H St. from Twentieth to Twenty-fourth Sts.

## PAVING PLANNED.

SAN BERNARDINO, Cal.—The City Council has adopted plans and specifications

for the following street work: E street between Ninth and Highland avenue; H street between Eighth and Base Line, and Tenth street between A and B streets, to be paved with 4-inch concrete and 3/4-inch oil top; Base Line between Arrowhead and Waterman streets, to be paved with 5-inch concrete on each side of present macadam pavement. Second street will be paved between I and Kennel streets with 4-inch concrete and 3/4-inch oil surface and between I and Carter streets with 4-inch Warrentite.

## PLANS UNDER WAY FOR RESERVOIR AND POWER PLANT.

OKDALE, Stanislaus Co., Cal.—Plans are being prepared by the Engineering Department of the Calaveras Copper Company for the proposed reservoir and power plant to supply electricity for their plant at Copperopolis. Application has already been made to the State Water Commission for permission to appropriate water.

## STREET WORK BONDS SOLD.

PETALUMA, Sonoma Co., Cal.—Bonds of \$80,000 voted for the improvement of Main and Third streets have been sold by the City Council. Bids for the work will be called for shortly.

## SHEET METAL SHOP EQUIPMENT BIDS WANTED.

OKLAND, Cal.—Bids will be received by Dan W. Pratt, Secretary of the Oakland Board of Education, Room 1101, City Hall, up to July 28th, 4:30 P. M., for furnishing certain sheet metal shop equipment.

## SELL STEAM ROLLERS.

## SANTA CLARA SUPERVISORS TO

SAN JOSE, Santa Clara Co., Cal.—At the last meeting of the County Supervisors, Henry A. Pfister was instructed to advertise for sale two Kelly Springfield steam rollers, sale to take place on Tuesday, September 2, 1919, at 10 o'clock A. M.

## BRIDGE AND BULKHEAD PLANS ORDERED.

REDWOOD CITY, San Mateo Co., Cal.—The County Engineer has been instructed to submit a report on the condition of wooden bridges along the Spring Valley (Canyon) Road.

The Engineer was also ordered to prepare plans and specifications for a retaining wall and bulkhead on the La Honda road. Elizabeth M. Nash is County Clerk.

## CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 2735.

# STATE WATER COMMISSION APPLICATIONS.

Lars R. Jorgensen, San Francisco, 275 cubic feet per second of the waters of the North Fork Yuba River, 25 cubic feet per second from Middle Fork of North Fork, and 50 cubic feet per second from North Fork of North Fork Yuba River, Sierra County, tributary Yuba River, for power purposes. Diversion works consist of concrete arch dam 140 feet high, 400 feet long on top and 100 feet long on bottom, and 2 main canals 13 and 9 miles long, respectively. Application provides for the storage of 80,000 acre feet. Construction work will begin on or before January, 1921, and be completed in January, 1924. Water will be returned to North Fork Yuba River after use. Estimated cost, \$4,000,000. (Allowed six months from May 13th to file maps).

Lars R. Jorgensen, San Francisco, 400 cubic feet per second of the waters of the North Fork of Yuba River, tributary Yuba River, Sierra County, for power purposes. A concrete arch dam 85 feet high, 200 feet long on top and 80 feet long on bottom will be constructed to divert the water into a main conduit 4 miles long. Construction work will begin in January, 1921, and be completed in January, 1924. Estimated cost, \$1,400,000. Water will be returned to North Fork Yuba River after use.

Modesto Irrigation District, Modesto, 600,000 acre feet per annum (storage) or 3,000 cubic feet per second of the waters of the Tuolumne River, Tuolumne County, tributary of San Joaquin River, for (Appl. 1258) agricultural purposes, and (Appl. 1259) power purposes. Water under 1258 will be used for the irrigation of 100,000 acres of land, and under 1259 will be used for pumping, lighting, heating, manufacturing, domestic and all other legal purposes. The storage reservoir will be 283 feet high, 530 feet long on top, 100 feet long on bottom and 20 feet wide on top, with gravity type concrete dam. Estimated cost of proposed works \$3,100,000 for dam and reservoir, and \$1,000,000 for power development. Construction work will begin on or before 1920 and be completed on or before 1924.

J. F. O'Connor, Grass Valley, 500 cubic feet per second of the waters of Canyon Creek and South Yuba River (250 second feet from each stream) with storage of 125,000 acre feet, for agricultural and municipal purposes. Canal to be approximately 100 miles long. Storage dam will be 200 feet high, approximately 800 feet long on top and approximately 400 feet long on bottom.

C. W. Hatch, Modesto, and R. V. Meikle, Turlock, 150 cubic feet per second of the waters of Merced River, tributary of San Joaquin River, for irrigation, domestic and manufacturing purposes. Diversion works consist of pumping plant and concrete lined main canal six miles long. Estimated cost \$250,000. (Allowed 60 days from July 7th to perfect application).

C. W. Bowman, Inverness, 150 second feet of the waters of Mill Creek, 700 second feet from Levering Creek, 50 second feet from Gibbs Canyon, 75

second feet from Walker Creek, 100 second feet from Parker Creek and 500 second feet from Rush Creek, all tributary of Mono Lake, and 100 second feet from Dexter Creek, tributary of Black Lake, all in Mono County, for agricultural purposes. Water will be diverted by means of a canal system consisting of flume, ditch and tunnels 50 miles long, and will be used for the irrigation of 87,000 acres. Application provides for the storage of 500,000 acre feet in years of maximum flow and an average of 250,000 acre feet. (Allowed to December 1, 1919, to file maps.)

F. L. Fehren, San Jose, 500 cubic feet per second of the waters of Yuba River, Yuba County, tributary of Feather River, for the irrigation of 50,000 acres. Main canal to be 40 miles long. Application still incomplete. Applicant requests extension of time.

George Watterson, Bishop, 200 cubic feet per second of the waters of Owens River, Mono County, tributary of Owens Lake, for power purposes. Diversion works consist of concrete dam 30 feet high, 150 feet long on top and 60 feet long on bottom, and main tunnel and pipe lines 5.75 miles long. Estimated cost of diversion works \$3,000,000. Water will be used for the generation of electricity for lighting, heating, pumping, electric-chemical process, etc., and will be returned to Owens River after use.

W. A. Beard, for Iron Canyon Project Association, Marysville, Appl. 1279, 1,000,000 acre feet per annum storage and 2,500 cubic feet per second direct diversion for agricultural purposes on 650,000 acres, from the Sacramento River in Tehama County, in the Sacramento Valley below Iron Canyon in Tehama, Butte, Glenn, Colusa, Sutter, Yolo, Solano, Sacramento, Yuba and Placer Counties, and Appl. 1280, for 10,000 cubic feet per second from the Sacramento River in Tehama County for the generation of hydro-electric power, with storage of 1,000,000 acre feet per annum. (Applications incomplete; applicant allowed 6 months from June 12 to perfect applications).

## PANAMA CANAL SUPPLY BIDS WANTED.

PANAMA CIRCULAR 1292—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed bids are wanted until August 8, 1919, under circular 1902 for chain hoist, rolled steel, lamp posts, planer knives, panel boards, conduit cable, copper wire, pipe fittings, iron pipe, vitrified pipe, lead pipe, valves, dies and blanks, end mills, fire brick, baggage trucks, air hose, manila rope, chair caning, oxalic acid, metallic brown, carbon bisulphide, caustic soda, chrome green, blue, lampblack, putty, venetian red, shellac, sienna, floor wax, typewriter ribbons, lead pencils, Shannon files, field books, manila containers and paper. For further information address the above office.

PANAMA CIRCULAR 1291—Propo-

sals for steel, pipe fittings, joints, traps, valves, pumps, cleanouts, shackles, blocks, hoists, nails, hinges, latch sets, earlocks, launch lights, cutters, welding goggles, gold leaf, steel wool, artificial leather, strip rubber, drain boards, deck plugs, step-ladders, brushes, index books, paper and write zinc—Sealed proposals will be received at the office of the General Purchasing Officer, the Panama Canal, Washington, D. C., until 10:30 o'clock a. m. July 30, 1919, at which time they will be opened in public, for furnishing the above-mentioned material. Blanks and information relating to this circular (1291) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Calif.; also from the United States engineer offices in the principal cities throughout the United States. A. L. FLINT, General Purchasing Officer.

## TO ERECT CANNING PLANT.

LONG BEACH, Los Angeles Co., Cal.—The Trident Packing Co. has secured a site on channel No. 2, Long Beach harbor, and will erect a fish canning plant. The company is incorporated with \$300,000 capital stock. L. P. Spear, Long Beach, packer; A. W. Ellis of Long Beach, and R. L. Heinsch and C. R. Stanford of Los Angeles, are interested.

## BRIDGE PLANS ORDERED.

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors have instructed the County Engineer to prepare plans and specifications for the construction of bridges on the Bodfish Mill Road in Supervisor District No. 1. Henry A. Pfister is County Clerk.

## STREET WORK PLANNED.

FRESNO, Fresno Co., Cal.—The City Council has granted the petition of property owners asking for the paving of F street from Merced to Kern street.

Similar action was taken on the petition asking the construction of a sewer in an alley in Grant Avenue Park, Blocks 5 and 6.

## FIRE HOSE CONTRACT AWARDED.

MERCED, Merced Co., Cal.—The City Trustees have awarded a contract to Merced Vulcanizing Works for furnishing and delivering 500 feet of 2½ inch hose and 300 feet of 1½ inch hose at \$1.15 per foot for the former and 80 cents per foot for the latter.

# Building & Engineering News

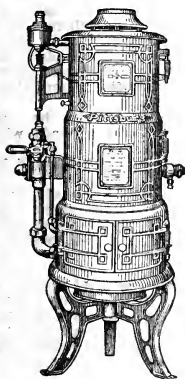
10 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., Aug. 6, 1919

Published Every Wednesday  
Nineteenth Year, No. 32



## A BIG THING

New Model No. 65

"Pittsburg-  
Bungalow"

Automatic Water  
Heater.

Capacity three gallons  
per minute.

Just the size to fit the  
average two-story home  
or nice Bungalow.

A "Pittsburg" Automatic Gas  
Water Heater installed in the  
home indicates high quality  
throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

**The Most Powerful Made  
Safe and Economical**

Manufactured on a solid base and do not  
contain any liquid explosive ingredient.

Will not freeze Will not exude

Will not give off noxious gases

No thawing

No leaking

No headaches

**California Trojan Powder Company**

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

## Among the Architects

Architect P. Righetti, Phelan Bldg., has awarded a contract to G. Trevia, 400 Bay Street, for the erection of a one-story reinforced concrete garage to be erected at the southwest corner of Chestnut and Taylor streets. The building will cost \$22,925.

Architect Wm. E. Milwain, Albany Block, Oakland, has awarded a contract to J. Prout, 2020 Turk St., San Francisco, for the erection of a two-story and basement frame dwelling to be erected in Forest Hill for Lloyd Ackerman. The building will cost \$12,000.

Architect Milwain has also awarded to Prout the contract to erect two two story frame dwellings in the Forest Hill Tract for Regina Marshall. Each dwelling will cost \$8,500.

The Fresno County Supervisors have taken an option on the Mrs. Ida E. Statham property at the corner of Mariposa and M streets and plan the erection of a \$200,000 library building of concrete and steel construction. The site is 75 by 150 feet. No architect has been selected as yet to prepare plans.

Architects Weeks & Day, Phelan Bldg., have awarded a contract to the K. E. Parker Company for alterations to be made to the MacDonagh Theatre Building in Oakland. The work will cost in the neighborhood of \$80,000.

Architects O'Brien Bros., 240 Montgomery street, are taking figures for the alterations of three flats into apartments for a frame structure in the Western Addition. The work will cost about \$15,000. Plans provide for hardwood floors, electric work, plastering, marble work, etc.

Architects Ward & Blohme, Alaska Commercial Bldg., are preparing plans for an elaborate system of lighting effect to be installed at Tai's at the Beach, and which will include a set of powerful searchlights, the rays of which will reach well out into the ocean.

The same architects are also preparing working drawings for a two-story and basement frame dwelling to be erected on Green street near Divisadero. The building will have a plaster exterior and contain all modern improvements. A garage is also provided for. Cost, not stated.

Architect C. R. Ward, of the same firm, is preparing plans for the Committee of Decorations and Fire work for an elaborate scheme of decorating the 180 electroliters on Market St. for the coming celebration of Womens' Day. It has been planned to include draped flags, cross staff and insignia of the various women's organizations, the materials to be of wood and canvass, elaborately painted. Bids are now being taken by the Committee for the work of which Mr. Ward is one of the members and R. A. Ross, chairman.

Architect C. W. McCall, Central Bank Bldg., Oakland, is taking estimates for altering an office building on California street, this city. For the present we are not at liberty to men-

tion the owner's name, nor the particular building.

Three bids on school ground improvement will be advertised for by the Board of Education of Sacramento City within the next few days.

At a recent meeting a report of City Engineer Frank C. Miller, stating the approximate cost of excavating and grading the school yard at the Washington School, and the cost of adding a three inch layer of decomposed granite to the leveled surface was accepted. Advertisements for bids on the two projects are now being prepared as well as a third one for putting a two inch surfacing of decomposed granite on the East Sacramento School yard.

Director Edward Haynes was authorized to employ some form of heating engineers to make some recommendation on the improvement of the heating plant at the William Land School. The services of the experts for investigation must not exceed \$100. According to a report from the City Engineer, the radiation in the school is not sufficient to heat the building.

Architect Carl Werner, Humboldt Bank Bldg., has awarded to the Onward Investment Co. the contract to build the first unit for the California Memorial Hospital in the foothills at Fruitvale, Alameda County. Ten more units will follow.

Architect Albert J. Fabre, French Bank Bldg., is completing plans for a two-story frame flat building to be erected on Franklin street at a cost of \$12,000. The building will have an exterior finish of brick and cement plaster. Interior finish will be of hardwood and pine. A hot air heating system will be provided for.

Architect Wm. Knowles, Hearst Bldg., is taking segregated figures for a four-story Class "C" office building to be erected in Oakland for the East Bay Water Company. The building will be erected on the north side of 16th street west of Telegraph avenue.

Architect D. J. Patterson, 46 Kearny street, is revising plans for a three-story frame apartment building to be erected on Twelfth avenue near Clement street for Mr. McCaw. The building will contain six four-room apartments and is estimated to cost \$18,000.

Architect F. J. De Longchamps, Reno, Nevada, has completed plans and bids will be called for shortly for the erection of the two-story college of Education planned by the University of Nevada. The building will cover a ground area of 58 by 160 and is estimated to cost \$100,000.

Architect B. G. McDougall, Sheldon Bldg., is taking figures for a one-story frame bungalow to be erected for G. W. McNear at Fernway Farms, Contra Costa County. The building will cost about \$5,000.

Architect Otto W. Janssen, Box 173, Phoenix, Arizona, wants literature of all kinds relating to the building line,

Architects J. E. Kraft & Sons, Phelan Bldg., will shortly take figures for a six-story Class "A" building to be erected on Jackson street near the Embarcadero for the Wellman Peck Company. The structure will cost in the neighborhood of \$75,000 and will contain a garage on the first floor with offices and lofts on the upper floors. The roof will be given over to a roof garden for the employees.

Architect Henry H. Gutterson, 278 Post street, is completing plans for three two-story and basement frame residences to be erected in the St. Francis Wood Tract. The buildings will contain from six to eight rooms each and will cost between \$6,000 and \$9,000.

Architect Gutterson will shortly take figures for a one-story frame bungalow containing five rooms to be erected in St. Francis Wood.

Architects Coates & Traver, Rowell Bldg., Fresno, are preparing plans for a two-story hollow tile residence to be erected in Selma, Fresno County, for S. L. Heisinger. The building will cover a ground area of 45 by 66 feet and will cost \$18,000.

Architect Clarence A. Tantau, Clunie Bldg., will shortly take segregated figures for a two-story and basement frame and brick veneer residence to be erected at the northeast corner of Vallejo and Buchanan streets for B. F. Schlessinger. The structure will cost about \$30,000.

September 4th is the date set by the Modesto, Stanislaus County, School Board to decide the question of issuing and selling bonds of \$350,000 with which to finance construction of new schools and repairing the present structures.

If the election carries the money from the sale of the bonds will be used as follows:

\$165,000 for high schools, and \$185,000 for grammar schools.

Additions will be made to the Seventeenth and Sixth street schools and also to the departmental schools, the old high school at Twelfth and L streets.

Architect Bernard J. Joseph, New Call Bldg., will shortly take bids for a five-story and basement reinforced concrete store and apartment building to be erected in Vallejo for Harry Handery. The building will cost \$72,500.

August 11th is the date set for the opening of bids for the construction of the one-story and basement brick grammar school building for the Yreka, Siskiyou County, School District. Plans for the building, estimated to cost \$40,000, were prepared by Architect Henry C. Smith, Humboldt Bank Bldg.

Architect Frederick H. Meyer, Bankers' Investment Bldg., is preparing plans for a three-story and basement frame apartment building to be erected on Pine street near Leavenworth for Louis Shensen. The structure will contain fifteen modern apartments and is estimated to cost \$40,000.

# Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$4.00 per year

San Francisco, Cal., August 6, 1919

Nineteenth Year, No. 32



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.

Subscription Rates—One year, \$4.00 payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
500 Mission Street.  
Telephone—Dodge 2372.

## HOME INDUSTRY LEAGUE OF CALIFORNIA.

California is fast gaining recognition as a manufacturing center. According to the Home Industry League, everything grown any place in the world is grown in California.

Almost everything manufactured elsewhere is manufactured in California.

The following printed list, just issued, has been compiled by the League for the California Industries and Land Show, to be held at the Exposition Auditorium, October 4 to 19, and gives a fair idea of a small part of the States resources.

To carry out the policy of the Home Industry League, that of upbuilding the State's industry, and under whose auspices the California Industries and Land Show is to be given, gold and silver medals, loving cups and ribbons are offered as awards to the best California products, a partial list of which is here given: Special loving cups to counties, manufacturers and artistic exhibits. Agricultural exhibits for which gold and silver medals are offered, include best displays of alfalfa, barley, garden field and flower seed, hops, white oats in grain and head, potatoes, sweet potatoes and nuts of all varieties.

Agricultural and road making machines are given special notice so are automobile trucks and tractors.

Beverages of all kinds are included, building construction materials, chemicals, citrus fruits, clothing and kindred textiles, confectionery, dairy equipment, dairy products, deciduous fruits, dyes, electrical appliances and fertilizers. Food products which are given much latitude include: baking powder, butter substitutes, canned fruits, canned meats, canned sea

foods, condiments, crackers, biscuits, essences of extracts, bakers' flour, family flour, dried fruits, canned vegetables, cereal preparations, chocolate, coffee, lard, smoked and cured meats, spices, syrups, (table and fruit), teas and dried vegetables.

Furniture, wooden and domestic utilities, hardware, jewelry, leather products, musical instruments, office supplies, oils, olives, paints, pleasure crafts, poultry supplies, pyrotechnics, soups, toilet accessories, toilet preparations, toys and viticultural.

Manufactured goods of which special mention is made in classes, for which gold and silver medals are offered include:—brooms, brushes, ceramics, enamels, cleaning compounds, labels, rope, twine, rubber, shoe dressing and trunks.

All of these grown or manufactured in California in abundance.

## LETTERMAN HOSPITAL TAKES MORE QUARTERS.

Because of overcrowded conditions at the Letterman General Hospital at the Presidio, officials at the institution announce that they have arranged with Brigadier-General John McDonald, commandant at the Presidio, to take over all of the buildings in the East Cantonment.

The building, it was announced, will be thoroughly renovated and remodeled for occupation within two weeks.

At the present time more than 1,700 patients are being cared for at Letterman.

The Red Cross through Mrs. Galetta M. Ringe, field directress, announced that they would establish a canteen and hostess house in the new quarters.

## EDGAR A. MATHEWS WINS COURT HOUSE COMPETITION.

SANTA BARBARA, Cal.—Prizes were awarded in the architectural competition for the proposed new court house, auditorium and museum for Santa Barbara County, estimated to cost \$420,000 as follows: First, Edgar A. Mathews, San Francisco; second, Wm. Mosser and Horace C. Simpson, Associated, San Francisco; third, Bliss & Faville, San Francisco; fourth, F. E. Brewster, Santa Barbara. The jury consisted of the five county supervisors, Architects J. E. Allison of Los Angeles, and Sylvain Schnaitacher of San Francisco, and Clarence A. Black of Santa Barbara. J. Corbely Pool of Santa Barbara, as advisor.

## DESTRUCTION OF DAM CALLED "ACT OF GOD."

SAN BERNARDINO, Cal.—The great flood which occurred January 27, 1916, breaking the Otay dam in San Diego County, caused damages

totaling \$3,685,000 and killed fourteen people, was an "act of God," according to a decision rendered by Superior Court Judge Rex E. Goodcell here, in deciding a test suit in favor of the city of San Diego, owner of the dam. The hearing of the action has been under way eighteen weeks. Total claims filed against the city as a result of the flood are \$1,185,000. Other damage included \$1,500,000 to the city and \$1,000,000 to railroads not included in the litigation.

## THREE MILLION FOR IMPROVEMENTS IN YOSEMITE VALLEY.

The sum of \$3,000,000 is to be expended in developing and building up a greater Yosemite valley, constructing hotels, lodges and camping grounds and in providing scheduled tourist trips which will take in all of Yosemite, Tahoe and General Grant and Sequoia parks, according to A. B. C. Dohrmann, President of the Nathan-Dohrmann Co., of San Francisco, who has purchased the Desmond interests.

The federal government will spend \$1,500,000 and the other half will be spent by Dohrmann.

Dohrmann explains he will spend \$1,500,000 in enlarging the Merced lake lodge, in building new hotels in Yosemite and at Tuolumne meadows, and in developing the park until it is a model among national parks for accommodations.

## AERIAL MAIL SERVICE ENDORSED BY CHAMBER OF COMMERCE.

The Board of Directors of the Chamber of Commerce at a recent meeting resolved to endorse the establishment by the Government of an Aerial Mail Service between Chicago and San Francisco and to urge upon Congress the enactment of legislation providing the necessary appropriation.

It is felt that if San Francisco manifests a strong enough desire to have this service the prospects for its establishment are favorable.

The Board of Directors also resolved to endorse Senator New's bill, providing for on independent air service, which, if enacted, it is felt will tend to promote the efficiency of the Government Air Service and prevent unnecessary duplication of personnel and material in different departments.

## RED BLUFF BANK TO BUILD.

RED BLUFF, Tehama Co., Cal.—The Red Bluff National Bank has purchased a site with a 125-foot frontage at Main and Pine streets and plans the erection of a modern bank building in the near future.

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

President—Dr. F. H. Newell, University of Illinois, Urbana, Ill.  
 First Vice-President—W. W. DeBerard, Western Editor Engineering News-Record, Chicago.  
 Second Vice-President—T. A. Evans, Structural Engineer, Meade-Morrison Co., Chicago.  
 Treasurer—John Ericson, City Engineer, Chicago.  
 Secretary—C. E. Drayer.

## Directors.

W. H. Finley, President, C. & N. W. Ry., Chicago, Ill. Past President.  
 W. W. K. Sparrow, Chief Engineer C. M. & St. P. Ry., Chicago.  
 P. E. Harroun, Consulting Engineer, San Francisco, Calif.  
 R. Burnham, Consulting Engineer, Chicago, Ill.  
 P. D. Richards, Bridge Engineer, City of Cleveland.  
 A. A. Matthews, Chief Engineer St. L. S. W. R. R., Tyler, Texas.  
 E. F. Collins, Valuation Engineer St. L.-S. F. Ry., St. Louis.  
 C. H. Crawford, Baldwin Locomotive Works, Philadelphia.  
 Harold Almert, Consulting Engineer, Chicago.  
 P. K. Bennett, Principle Assistant Engineer M. & St. L. Ry., Minneapolis.  
 J. H. Prior, Consulting Engineer, Chicago.  
 Alexander Potter, Civil Engineer, New York City.  
 J. N. Hatch, Consulting Engineer, Chicago.

## NATIONAL HEADQUARTERS

29 S. La Salle St.

Chicago, Ill.

### SACRAMENTO CHAPTER.

H. A. Lathrop ..... Secretary  
 Chapter Office: 1331 33rd St.

### LOS ANGELES CHAPTER.

E. G. Sheibley ..... President  
 A. L. Harris ..... Secretary  
 E. Hardy Merrill ..... Treasurer  
 Chapter Office:  
 Central Bldg., 6th and Main.

### FRESNO CHAPTER.

L. E. Smith ..... President  
 John A. Dron ..... Secretary  
 Chapter Office: 960 "S" St., Fresno.

### EUREKA CLUB.

F. W. Howard ..... Secretary  
 Chapter Office: Eureka, Calif.

### SAN BERNARDINO CHAPTER.

M. A. Woods ..... Secretary  
 Chapter Office: 608 Tenth St.

# American Association of Engineers

## EDITORIAL STAFF.

George M. Nelson.....Consulting Eng.  
E. D. Brown.....Redwood Mfrs. Co.  
J. H. Knowles.....Ch. Eng. W. P. Co.  
D. L. Reynolds.....Pac Fruit Express.  
C. D. Stone.....S. P. Co.  
A. B. Hartley.....S. P. Co.  
H. W. Schrieber.....Union Con. Co.

## NEWS ITEMS.

### San Joaquin County Engineers Organize.

STOCKTON, San Joaquin Co., Cal., July 31.—The San Joaquin County Society of Civil Engineers was organized here last night, with L. B. Raab as President. Other officers are:

L. F. Barzellotti, City Engineer at Lodi, Vice-President. Edward B. Budd, Secretary-Treasurer.

### HOW SHALL PROPER RECOGNITION OF THE ENGINEERING PROFESSION BE OBTAINED?

By W. W. K. Sparrow,  
Chief Engineer, C. M. & St. P. R. R.,  
Chicago, Ill.

National Director, A. A. E.

While I understand the question many of us are perhaps most interested in at this time is the economic welfare of the engineer and how to secure more adequate compensation for his services, yet I feel that we should not confine our discussion or energies to this phase of the question only, but should also endeavor to secure greater appreciation and recognition of the profession socially and politically and in the problems of reconstruction with which not only this country but the whole world is today confronted.

#### The Lack and the Need.

There is a regrettable lack of recognition of the engineering profession, not only in the matter of compensation, but also in the administration of public affairs. As an illustration of this, take the present administration of our great railway systems, the greatest in the world, and largely the handiwork of our profession. It seems to me that if there is one position in the cabinet of the Director General of Railroads which the engineer is peculiarly fitted to fill, it is that of Director of Capital Expenditures. The problem of the development of our railways, their economic requirements in the way of additional facilities and improvements, is certainly largely an engineering one. While this is evidenced by the fact that practically every employee in that department is an engineer, and in every case, the assistant to the Regional Director in charge of capital expenditures is also an engineer, yet we find this important position first

occupied by a lawyer and now by a gentleman who graduated from the traffic department of one of our railroads. The same lack of recognition is found in the representation of the Interstate Commerce Commission, a body charged, among other important duties, with one of the greatest economic and engineering tasks of the day, viz.: the valuation of our railroads and in like manner in the representation of the State Commissions, the National Commission on the development of waterways, and other similar bodies. The lack of recognition is sometimes almost grotesque as, for example, when a few years ago, the Governor of the State of Missouri appointed a lawyer as State Highway Engineer of that State. While in the past few years engineers have received greater recognition, as for example in the appointment by the Federal Government in August, 1915, of the Naval Consulting Board, consisting of two representatives from eleven engineering and scientific societies to co-operate with the Naval Advisory Board for the purpose of obtaining the most advanced experience and thought in technical research and engineering developments; in the important positions of the affairs of our large railroad corporations, in the situation they at present find themselves, and also in the administration of the municipal affairs of some of our large cities in the capacity of City Manager, yet I feel that the profession is far from taking its proper place in the affairs of our nation, states, or cities. I think that this is more marked in the United States than in some other countries, at least that was the impression I gained when I first came to this country. It is certainly true of England and South Africa, where I spent some years of my life. Just about the time I left South Africa, where, by the way, the railroads and harbors are all government owned and operated, it was decided to change from the British system of organization to the American system, and it was interesting to observe that the greater number of the newly created general superintendents and superintendents were drafted from the engineering department. This may have been due, to some extent, to the fact that under the British organization the engineering department has complete charge and supervision of all track and structures, but I think it was also largely attributable to the standing and recognition attained by the engineering profession. I have dealt somewhat at length on what I believe we all recognize—the failure of the engineering profession to take its proper place in the ranks of society and the affairs of our country, not only for the reason that I believe that

with a better understanding and appreciation of the engineer's work on the part of those outside the profession, and the service he renders to our industry, health, comfort, and welfare, would come more liberal compensation, but also because I have lost none of the ideals of the greatness and nobility of the profession and the desire which I am confident you all share, to see it receive at the hands of the general public the recognition and standing which as one of the greatest professions of the world it ought to receive. I believe there will be little or no disagreement with what I have said so far, in fact I think it is a condition of affairs we have recognized for some time, and what we are most interested in is not a discussion of this situation, but how to remedy it.

#### The Cause and the Remedy.

Mr. Chairman and Gentlemen, I think the training of our profession teaches us the law of Cause and Effect, and that to every action there is an equal and opposite reaction. Consequently, there must be a cause for this lack of recognition and interest in us. Therefore, before prescribing a remedy, we must first ascertain the cause. To me the answer to this question is largely our own lack of interest in affairs outside of our profession, and also to our lack of organization and concerted action. The engineer, as a rule, is diffident and modest; he has stood aloof from and taken little interest or activity in matters of public and political importance, and the activities of our societies and associations have been largely, if not exclusively, confined to technical matters within the profession, and even in these affairs little or no effort has been made to bring to the attention of those outside of the profession the part that it has taken and is taking in the progress of the world. I have stated that as a profession we have taken little interest in other than technical matters, and as an illustration of how the profession suffers as a result of such lack of interest, I would call your attention to the Newlands Bill, introduced in the United States Senate at the first session of the 64th Congress, for the purpose of creating experimental stations in engineering, similar to the experimental stations already inaugurated in agriculture. The introduction of the bill was the result of the awakening which the war produced and which led to fresh and renewed activity among the advocates of federal support for technical and engineering research, which it was felt would greatly assist in the development of all industrial resources. The bill failed, and I am sorry to say that its failure was mainly due to the lack of active interest on the part of engineers and those interested in the

development of our industries.

Another contributory cause is, in my opinion, the absence with few exceptions of State or National regulation in the practice of the profession. In the majority of our states anyone who so desires may start to practice the profession of engineering without let or hindrance. Our profession in this respect is in about the same position as the medical profession was about one hundred years or more ago, when any apothecary could practice medicine, just as any plumber can today practice engineering as a sanitary engineer. Everyone today knows that a doctor must be licensed by the state to practice medicine, and that before he is able to obtain that license he must be properly qualified. In England the social class is, or was, more distinctive than in this country, and there was, and is, unless the war has eliminated it, still a distinct line of separation between classes, and the social class to which he belongs is distinctive of a man's position in life. Before the medical profession was subject to state license and when any "quack" could legally practice medicine, a doctor or "leech," as he was often termed, had little or no social recognition and ranked about the same class as an undertaker. In England today the medical profession has taken its place in society and receives the recognition of all, and the first step in placing it on the plane it now occupies was in requiring everyone who practiced medicine to be licensed to do so by the state.

In South Africa land surveyors, or government land surveyors as they are known there, must be licensed by the state to practice. In transferring or subdividing land the deed or legal document must be accompanied by a plat giving the necessary information in a prescribed manner prepared by a Government land surveyor. The plat and survey must be submitted to the surveyor-generals office, where it is checked and a record made of it. No transfer, subdivision, or plat of land has any legal standing unless the work is done by a government land surveyor and the survey passed through the surveyor-general's office. The qualifications of a government land surveyor are high. He must pass a very rigid theoretical examination, and if successful in that, a practical one. It requires about three years' hard work to qualify. The result is that the Cape government surveyor has regular fees which give him a better return than the average engineer in that country, and his profession, which is only the kindergarten of engineering, has received recognition and standing both in the country and out of it. I have heard it said on more than one occasion, and I believe with truth, that nowhere has the practice of land surveying been brought to the standard of South Africa.

A further cause, I believe, lies in our education, which I think has been too much along technical lines and not enough attention paid to education of a general nature. The result is that the outlook and view of the young engineer leaving college is inclined to be too narrow and technical, and he is often not sufficiently well informed upon or his interest aroused in questions other than those of a

technical nature.

Summarizing what I have said, my views as to the three prime requisites to obtaining greater recognition for the engineer; profession may be stated as follows:

1. Organization.
2. Licensing.
3. Broader education, interest, and activity in other than purely technical matters.

#### **Not Trade Unionism.**

A letter, in a recent issue of the News Record, advocated an Engineering Union affiliated with the American Federation of Labor, and I desire to state clearly and beyond possibility of misunderstanding that I am unalterably opposed to any organization along the lines of the labor unions, or perhaps it will be more correct to say to the methods adopted by those unions, as it is not the organizations, but their methods to which I am opposed. The question of organization is receiving the thought and attention of many engineers, and we must be quite clear and definite as to the kind of organization we want.

It would be outside the range of this discussion to enter into an argument upon the merits and demerits of the struggle between labor and capital, but I am convinced that the engineering profession as a whole would never countenance the adoption of methods destructive to our economic welfare. Strikes and lock-outs are economically unsound, and an extensive application of the movement must inevitably lead to economic disaster. No matter what the argument, genuine or specious, made in support of the use of the strike (threat, the cumulative result is the undermining; and destruction of governmental authority and industrial enterprise. Our profession is constructive, not destructive, and we cannot countenance for a minute the adoption of such methods. There are other objections to the methods of trade unionism, one of which is that it destroys individuality and initiative and tends to reduce the efficient to the level of the inefficient.

#### **Proper Kind of Organization.**

It is not, in my judgment, necessary, in order to secure recognition of the qualifications and accomplishments of the engineering profession and readjustment of the compensation paid, so as to be adequate for the services performed in comparison with and in relation to the compensation paid to others, to resort to or adopt the methods of organized labor, and to do so would lower, instead of raise, the standards of the profession. Unity and concerted action are, however, necessary, and what I would like to see brought about would be an organization known as the United States Association of Engineers, similar to the United States Chamber of Commerce, which is the national organization of the business men of America, and which would embrace all branches and existing organizations, civil, mining, electrical, and mechanical. Such an organization would have for the different branches of the profession, its section devoted to technical discussion and research; its section devoted to the promotion of the economic welfare of the engineer; its section devoted to matters of political and public interest, as,

for example, education of public opinion to the advantage and desirability of having engineering representation on public bodies having to deal with questions and problems involving engineering; knowledge and experience, the appointment of engineers to public positions, involving a similar knowledge and experience, the adoption of a National Department of Public Works, and many other similar and important questions. Such an organization, with its supreme or chief executive council made up of representatives of all branches of the engineering profession, would command the attention and respect of the nation.

This may seem to many an impracticable dream, but today when we are dealing with Leagues of Nations, why not a League of the American Engineering Associations and Societies? The framing of such a constitution ought to be simple compared to that of the League of Nations. Nothing, of course, can be accomplished without a start, and as a start we have the American Association of Engineers, the only engineering organization I know of in this country devoted to other than technical matters. Let us develop it and build it up along such lines that it will stand to the engineering profession in the manner that the Chamber of Commerce stands to the business men of America.

I am a railroad man and am speaking, I presume, largely to railroad men, and, of course, that is the branch of the profession which, as railroad men, we are most interested in. At the present time I do not belong to the American Association of Engineers. I have, with the conservatives of the land of my birth, hesitated in joining until I felt quite satisfied that the objects and methods of the Association were along the right lines. I have reached my decision and am going to send in my application for membership this month, and shall urge, not only railroad engineers, but every engineer of my acquaintance, to join the Association and lend a hand. We should not rest in the organization of railroad affairs until we see every railroad in the country with its chapter or division of the American Association, with subdivisions over its entire system, each subdivision to have its own officers, reporting to the chief executive council for that railroad, which in turn would report to the railroad council of the National Association. Let us invite the co-operation of our sister organization, the American Railway Engineering Association, and build up a nucleus of a National Association, embracing all branches of the profession.

#### **National Voice of Engineers.**

While urging complete organization of railroad engineers, I do not want anyone to go away with that as the goal in view. A small organization of one section of the profession will not accomplish the desired result. We must have an organization which, when it speaks through its duly elected representatives, will speak for the whole engineering profession of the United States. That voice, gentlemen, will be heard and listened to. We railroad engineers, can, however, set

(Continued on Page 22)



# San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Engineer, Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co. ....	THIRD VICE-PRESIDENT

## EXECUTIVE COMMITTEE

J. H. Knowles .....	W. P. R. R.
L. D. Howland .....	C. C. Moore Co.
J. F. Johnston .....	Union Const. Co.
I. G. Grundel .....	Union Oil Co.

## AUDITING COMMITTEE

T. H. Brown .....	S. P. R. R.
E. B. Crane .....	C. M. & P. S. Ry.
P. J. Rowell .....	I. C. C.

## PUBLICITY COMMITTEE

E. D. Brown .....	Redwood Mfgs Co.
G. M. Nelson .....	Consulting Engineer

## COMPENSATION COMMITTEE.

G. M. Nelson.....	Consulting Engineer
E. V. Vandercook .....	S. P. R. R.
W. T. Cleland .....	Chief Dep. Surveyor Santa Clara Co.
V. D. Cousins.....	P. T. & T. Co.

## INTER-CHAPTER ADJUSTMENT COMMITTEE.

A. G. Mott .....	S. P. Co.
O. R. West .....	A. T. & S. F. Co.
W. S. Wollner .....	N. W. P. Co.

## QUALIFICATION COMMITTEE

W. H. Phelps .....	S. P. Co.
O. R. West .....	A. T. & S. F. R. R.

## POLITICAL COMMITTEE

E. H. Herbert .....	Oliver Mfg. Co.
---------------------	-----------------

## FELLOWSHIP COMMITTEE

W. H. Rupp .....	S. P. R. R.
------------------	-------------

## EMPLOYMENT REPRESENTATIVE.

F. J. Amweg .....	Consulting Engineer.
-------------------	----------------------

## MEMBERSHIP COMMITTEE.

D. L. Reynolds.....	Pacific Fruit Ex. Co.
F. J. Amweg .....	Consulting Engineer
W. H. Rupp .....	Southern Pacific R. R.
E. D. Brown.....	Redwood Mfrs. Co.
Clarence D. Stone .....	S. P. Co.
A. B. Hartley .....	S. P. Co.
H. W. Shrieber .....	Union Const. Co.
F. E. Geibel .....	S. P. Co.
C. B. Newbury.....	Interstate Com. Com.
F. E. Johnson.....	Union Const. Co.
E. V. Vandercook .....	S. P. Co.

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.  
Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

*San Francisco Chapter Office, 700 Marston Bldg.*

A. G. Mott, Secretary

244 Kearny St., S. F.

# ADVANCE NEWS

## Official Proposals, Etc.

### Contract Awarded.

UNIVERSITY BLDGS. Cost, \$150,000  
REDLANDS, San Bernardino Co.,  
Calif. University Campus.

Two-story and base, reinforced concrete  
Science Hall, 60x120; two-story  
and base, reinforced concrete  
men's dormitory, 136x40.

Owner—University of Redlands.

Architect—Norman F. Marsh, 211  
Broadway Central Bldg., Los Angeles,  
Calif.

Contractor—W. C. Cromwell, Chamber  
of Commerce Bldg., Los Angeles,  
Calif.

### Plans Being Prepared.

STORE & OFFICE BLDG.

Cost, \$1,500,000  
LOS ANGELES, Los Angeles Co.,  
Calif. S. W. 6th and Olive Sts.

Twelve-story Class "A" store and office  
Bldg., 100x120.

Owner—A. Phillips and Associates.  
Architect—W. J. Dodd and William  
Richards, Engineer, Brack-Shops  
Bldg., Los Angeles, Calif.

Plans Being Prepared. Ready for  
Figures Next Week.

APARTMENTS Cost, \$72,500

VALLEJO, Cal.

Five-story and basement reinforced  
concrete stores and apartments.  
Owner—Harry Handlery.

Architect—B. J. Joseph, New Call  
Bldg., San Francisco.

### Contract Awarded.

AUTOMOBILE ACCESSORY BLDG.  
Cost, \$31,485.  
SAN FRANCISCO. SE O'Farrell St.  
and Van Ness Avenue.

Two-story and basement reinforced  
concrete automobile accessory  
building.

Owner—Mr. Steinberger.  
Architect—Joseph L. Stewart, 1212  
Claus Spreckels Bldg., S. F.

Contractor—Thos. A. Cavanaugh, 180  
Jessie St., San Francisco.

Steel work awarded to Gunn Carl  
Co. at \$4,489.

Other bidders on the job were as  
follows:

Mission Concrete Co.	\$31,750
Rountree	31,500
Lange & Bergstrom	34,984
Unit Constr. Co.	37,577
Clinton Constr. Co.	35,600
Louis J. Deibel	32,687

Plans Being Figured. Bids Close Aug.  
11th, 7 P. M.

SCHOOL Cost, \$—  
COVINA, Los Angeles Co., Cal. Covina  
School District.

Reinforced concrete or hollow tile  
school (four class rooms and  
assembly hall.)

Owner—Covina City Grammar School  
District.

Architect—John C. Austin, Baker-  
Detwiler Bldg., Los Angeles.

Plans to be Figured by Wednesday.  
CHURCH AND HALL Cost, \$10,000

OAKLAND, Alameda Co., Cal. Grove  
Street.

Two-story frame church and hall.  
Owner—St. Augustus Mission.

Architect—Chester H. Miller and C. I.  
Warnecke, Perry Bldg., Oakland  
& New Call Bldg., San Francisco  
Plans go out for figures Wednesday

### Plans Being Prepared.

QUARTERMASTER COMMISSARY  
BLDG. Cost, \$20,000

BENICIA ARSENAL.

Two-story reinforced concrete Quar-  
termaster Commissary Building.  
Owner—United States Government.  
Colonel O'Hern, Commander.

Architects—Miller & Warnecke, Perry  
Bldg., Oakland.

Bids will be called for by the gov-  
ernment officials.

### Work Being Done by Day Labor.

RESIDENCE Cost, \$25,000  
FRESNO, Fresno Co., Cal. Kearney  
Boulevard.

Two-story frame and plaster resi-  
dence (12 rooms and 3 baths).  
Owner—Henry Scheidt, Fresno, Cal.

Architect—Eugene Mathewson, Cory  
Bldg., Fresno, Cal.

### Plans Being Figured.

WOMEN'S BLDG. Cost, \$200,000

EUGENE, Ore.

Three-story brick women's building,  
86x276.

Owner—University of Oregon.

Architects—Lawrence & Holford,  
Chamber of Commerce Bldg.,  
Portland, Ore.

### Plans Being Prepared.

AUTO SALES ROOM Cost, \$60,000  
FRESNO, Fresno Co., Cal. I and  
San Joaquin Streets.

Two-story reinforced concrete auto  
sales room, 100x150 feet.

Owner—D. W. De Vaux Motor Car Co.,  
Fresno, Cal.

Architects—Coates & Traver, Rowell  
Bldg., Fresno, Cal.

### Plans Being Prepared.

GARAGE Cost, \$130,000  
SEATTLE, Wash. SW Fourth and  
Columbia Streets.

Four-story and basement concrete  
garage, 120x120.

Owner—Inner Circle Property Co., J.  
W. Goodwin, President, 226 Burke  
Bldg., Seattle, Wash.

Architect—James Schack, Lippy Bldg  
Seattle, Wash.

### Contract Awarded.

HOSPITAL Cost, \$20,000

MANTECA, San Joaquin Co., Cal.,

Yosemite avenue and Sequoia St.

Concrete hospital (117x130 18 rooms)

Owner—Manteca Hospital, Roscoe N.

Gray owner, Manteca, Calif.

Architect—Not given.

Contractor—H. J. Ross.

Equipment will cost \$3,000.

### Contract Awarded.

BRICK BUILDING Cost, \$8,500  
SAN FRANCISCO. Sacramento St.,  
bet. Drumm and Davis.

Two-story brick building.

Owner—H. & W. Pierce, Inc., 723

Montgomery St., San Francisco.

Architect—B. G. McDougall, Sheldon

Bldg., San Francisco.

Contractor—Lindgren & Co., Monad-

nock Bldg., San Francisco.

### Plans Being Figured. Bids Close Aug.

11, 1919.

TOWN HALL Cost, \$45,500

ANTIOCH. Third and Fourth Sts.

Two-story and basement concrete

Town Hall.

Owner—Town of Antioch.

Architect—Benj. G. McDougall, Shel-

don Bldg., San Francisco.

### Plans Being Prepared.

STORAGE BLDG. Cost, \$—

BENICIA, Solano Co., Cal. Benicia

Arsenal.

One-story frame artillery storage

building, 500x160.

Owner—U. S. Government.

Engineer—Engineering Dept. Benicia

Arsenal.

The curtain walls and end walls

will be of brick.

### Plans Being Figured.

APARTMENTS Cost, \$45,000

SAN FRANCISCO. Park-Residio

District.

Three-story and basement frame

apartment house.

Owner—Benj. Schloss.

Architect—August Headman, New

Call Bldg., San Francisco.

### Plans Being Prepared.

PACKING PLANT. Cost, —

SANTA PAULA, Ventura Co., Calif.

One-story hollow tile packing plant

addition (100x100).

Owner—Santa Paula Citrus Ass'n.

Architect—Allison & Allison, Hiber-

nian Bldg., Los Angeles, Calif.

### Contract Awarded.

DWELLING AND GARAGE

Cost, \$6,000

SANTA ROSA, Sonoma Co., Calif. Rin-

con Valley.

Two-story frame (7 rooms) dwelling

and garage.

Owner—Major Herbert R. Brandon.

Architect—Not given.

Contractor—W. J. Meeker, Santa Rosa,

Calif.

### Plans Being Prepared.

CLUB HOUSE. Cost, —

LOS ANGELES, Los Angeles Co., Cal.

La Brea Blvd. near North Temple

street.

One-story frame club house, "L"

shape, each wing 170 feet long,

with assembly room 40x70.

Owner—Wilshire Club.

Architect—Hunt & Burns, Laughlin

Bldg., Los Angeles, Calif.

Plans Being Prepared.  
**PACKING HOUSE.** Cost, \$50,000  
**SANTA PAULA,** Ventura Co., Calif.  
 One-story and basement, reinforced concrete packing house (100x80).  
 Owner—Mupu Citrus Ass'n.  
 Architect—Allison & Allison, Hibernian Bldg., Los Angeles, Calif.

To Be Done by Day Labor.  
**FLATS.** Cost, \$35,000  
**LOS ANGELES,** Los Angeles Co., Calif.  
 Alvarado and Elsinore streets.  
 Two two-story frame and plaster flat buildings, four flats of six rooms each.  
 Owner—Miss Sarah Ibbotson and Miss Sarah McLeod.  
 Architect—John J. Frauenfelder, Story Bldg., Los Angeles, Calif.

Work To Be Started Shortly.  
**BUNGALOWS.** Cost, \$5,000 each  
**MONROVIA,** Los Angeles Co., Calif.  
 West Lemon, Orange and Magnolia avenues.  
 Seventeen one-story frame bungalows (5 and 6 rooms).  
 Owner—Chas. Ohlson, 1620 West 20th street, Los Angeles.  
 Architect—Harold Bowles, Marsh-Strong Bldg., Los Angeles.

Plans Being Prepared.  
**RESIDENCE.** Cost, \$40,000  
**SAN MARINO,** Los Angeles Co., Calif.  
 Huntington Drive.  
 Two-story and base hollow tile residence (14 rooms, 4 baths).  
 Owner—Dr. Earl Brown.  
 Architect—H. H. Hewitt, Van Nuys Bldg., Los Angeles, Calif.

Plans Being Prepared.  
**SCHOOL.** Cost, \$70,000  
**HEMET,** Riverside Co., Calif.  
 One-story and basement, reinforced concrete and stucco school (10 classrooms and auditorium, 175x125).  
 Owner—Hemet School District (Junior High School).  
 Architect—G. Stanley Wilson, Virginia Block, Riverside, Calif.

Plans Being Prepared.  
**APARTMENTS.** Cost, \$40,000  
**SAN FRANCISCO.** Pine Street near Leavenworth Street.  
 Three-story and basement frame apartments (15 apts).  
 Owner—Louis Shensen.  
 Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.

Plans Being Figured. Bids Close August 11, 1919.  
**SCHOOL.** Cost, \$40,000  
**YREKA,** Siskiyou Co., Cal.  
 One-story and basement brick grammar school.  
 Owner—Yreka School District.  
 Architect—H. C. Smith, Humboldt Bank Bldg., San Francisco.

Plans Being Figured.  
**ALTERATIONS.** Cost, \$15,000  
**SAN FRANCISCO.** Western Addition  
 Alter three flats into apartments (frame).  
 Owner—Withheld.  
 Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

**SPECIFICATIONS**  
 Floors, hardwood; Marble; Roof, T. & G.; Time clock; Hartford Electric Door Opener.

Contract Awarded.  
**ADDITION.** Cost, \$3,500  
**PALO ALTO,** Santa Clara Co., Cal.  
 Runnymede School.  
 Addition of room to brick school.  
 Owner—Runnymede School District.  
 Architect—Norman Coulter, 46 Kearny Street, San Francisco.  
 Contractor—J. H. Collins, Palo Alto.

**SCHOOL.** Cost, \$33,000  
**GEYSERSVILLE,** Sonoma Co., Cal.  
 One-story reinforced concrete school.  
 Owner—Geysersville School District.  
 Architect—H. C. Smith, Humboldt Bk. Bldg., San Francisco.

Plans Being Prepared.  
**CHURCH.** Cost \$36,000  
**LODI,** San Joaquin Co., Calif. Lodi and School streets.  
 Fireproof church building and frame parsonage. Building site 120x120.  
 Owner—Christian Church of Lodi.  
 Benj. Smith, pastor, Lodi, Calif.  
 Architect—Not given.

\$5,000 for parsonage and \$30,000 for construction has already been secured.

Contract Awarded.  
**ADDITION.** Cost, —  
**OROVILLE,** Butte Co., Calif.  
 One-story (Dennison) hollow tile addition to laundry, 26x21.  
 Owner—C. F. Huntington, Oroville Steam Laundry, Oroville, Calif.  
 Architect—Not given.  
 Contractor—A. A. Plagge, Oroville, California.

Contract Awarded.  
**ADDITION.** Cost, \$3800  
**MODESTO,** Stanislaus Co., Cal. SE 9th and "H" Sts.  
 One-story brick addition (60x75) for store.  
 Owner—Turner Hardware Co., Modesto, Cal.  
 Architect—Not given.  
 Contractor—George J. Ulrich, Modesto, Cal.

Contract Awarded.  
**FOUNDRY.** Cost, \$3500  
**MODESTO,** Stanislaus Co., Cal. Seventh and D streets.  
 One-story frame foundry, 48x80.  
 Owner—S. Bodesko, Modesto, Cal.  
 Architect—Not given.  
 Contractor—George J. Ulrich, Modesto, Cal.

Plans Being Prepared. Grading and Foundation by Day Labor.  
**RESIDENCE.** Cost, —  
**LOS ANGELES,** Cal., Olive Hill.  
 One-story hollow tile residence, 17 rooms, 4 baths.  
 Owner—Miss Aline Barnsdale, Merritt Bldg., Los Angeles.  
 Architect—Walker & Eisen, Hibernian Bldg., Los Angeles.

Plans Prepared.  
**FACTORY.** Cost, —  
**LOS ANGELES,** Cal. Santa Fe avenue and Porter street.  
 One-story brick (220x140) factory.  
 Owner—Transport Body Co.  
 Architect—V. P. Gilbert, Citizens Bank Bldg., Los Angeles.

Plans Being Prepared.  
**GARAGE.** Cost, \$175,000  
**LOS ANGELES,** Cal. SE 11th and Flower.  
 Four-story reinforced concrete com-

mercial garage, 190x155.  
 Owner Mrs. Susanna H. Van Nuys, W. P. Herbert, lessee.  
 Architect—Morgan, Walls & Morgan, Van Nuys Bldg., Los Angeles.

Plans Nearing Completion.  
**JAIL.** Cost, \$10,000  
**BAKERSFIELD,** Kern Co., Cal. Adjoining City Hall.  
 One-story brick City Jail.  
 Owner—City of Bakersfield.  
 Architect—City Engineer Roy H. Hubbard and Thos. Dupes, Building Inspector.

Contract Awarded.  
**GARAGE.** Cost, \$30,000  
**PORTLAND,** Ore. 11th and Stark Sts.  
 One-story brick garage, 50x100.  
 Owner—Withheld.  
 Architect—F. Manson White, Chamber of Commerce Bldg., Portland.  
 Contractor—Zanello Bros., Builders' Exchange, Portland, Ore.

Contract Awarded.  
**ADDITION.** Cost, \$30,000  
**FRESNO,** Fresno Co., Cal. Stanislaus and "I" streets.  
 Add of one story for fireproof garage.  
 Owner—Everts & Ewing, Giffen-Wolfe Garage.  
 Architect—Not given.  
 Contractor—Emmett Riggins, Fresno, California.

Contract Awarded.  
**RESIDENCE.** Cost, \$25,000  
**SANTA BARBARA,** Santa Barbara Co., Cal. On the Riviera.  
 Two-story concrete residence, 10 rooms, 4 baths.  
 Owner—H. L. Hitchcock  
 Architect—Carlton M. Winslow, Van Nuys Bldg., Los Angeles, Cal.  
 Contractor—C. W. Northrup, Santa Barbara, Cal.

Plans Being Prepared.  
**SCHOOL.** COST, \$40,000  
**CASHMERE,** Wash.  
 Two-story brick school, 106x70.  
 Owner—Cashmere School District.  
 Architect—Stephen & Stephen, New York Block, Seattle, Wash.

Contract Awarded.  
**THEATRE, ETC.** Cost, \$167,000  
**PENDLETON,** Ore. Court and Cottonwood Streets.  
 Theatre, lodge rooms, offices and store building.  
 Owner—Elks Lodge of Pendleton.  
 Architect—A. E. Doyle, Portland, Ore.  
 Contractor—Parker & Banfield, Portland, Ore.

Contract Awarded.  
**RESIDENCE.** Cost, \$30,000  
**TRACY,** San Joaquin Co., Cal. On the state highway near Banta.  
 One and one-half story ranch residence.  
 Owner—Mrs. G. Brichetto.  
 Architect—E. B. Brown, Masonic Bldg., Stockton, Cal.  
 Contractor—Ira C. Boss, Sacramento.

Contract Awarded.  
**RESIDENCE.** Cost, \$4,700  
**MODESTO,** Stanislaus Co., Cal. 1727 Downey avenue.  
 One-story frame residence (6 rooms).  
 Owner—Mrs. A. H. Annear, Modesto.  
 Architect—Not given.  
 Contractor—George J. Ulrich, Modesto, Cal.

Plans Being Prepared. To Be Done by Day Labor.  
**APARTMENTS.** Cost, —  
**LONG BEACH,** Los Angeles Co., Cal.  
 West First street near Magnolia.  
 Three-story reinforced concrete or Hollow tile (45) apartments, 87x 97.  
 Owner—R. P. Musseter, Long Beach, California.  
 Architect—S. R. Frink, 1235 Cedar avenue, Long Beach.

Plans To Be Prepared.  
**DEPARTMENT STORE.** Cost, —  
**MODESTO,** Stanislaus Co., Cal. Yet to be selected.

Four or five-story fireproof department store.  
 Owner—Thompson Co., Inc. W. S. Thompson, President, Modesto, Cal.

Architect—Not yet selected.  
 This is a new company recently incorporated with a capital stock of \$250,000. The directors include W. S. Thompson, W. A. Neil and D. M. McLean, all of Modesto, and E. J. O'Brien and A. J. Meade, both of Los Angeles.

Contract Awarded. Work Started.  
**MARKET.** Cost, \$7,500  
**MODESTO,** Stanislaus Co., Cal. NE 11th and J streets.  
 One-story hollow tile market, 74x60.  
 Owner—E. H. Tickle, Modesto, Cal.  
 Architect—None.  
 Contractor—Davis-Heller-Pearce Co., Modesto, Cal.

Plans Being Figured.  
**AUTO SALES BLDG.** Cost, \$250,000  
**SAN FRANCISCO.** W Van Ness Ave. bet. Sacramento and California Streets.  
 Four-story reinforced concrete auto sales building.  
 Owner—L. P. Allen.  
 Architects—MacDonald & Kahn, Rialto Bldg., San Francisco.  
 Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.  
 Excavation now being done.

Plans Being Prepared.  
**AUTO SALES ROOM.** Cost, \$100,000  
**SAN FRANCISCO.** NW Jackson and Van Ness Avenue.  
 Three-story reinforced concrete auto sales rooms.  
 Owner—Mrs. Haas.  
 Architects—MacDonald & Kahn, Rialto Bldg., San Francisco.  
 Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.

Plans Being Prepared.  
**DEPARTMENT STORE.** Cost, \$100,000  
**SACRAMENTO,** Cal. "K" Street.  
 Four-story reinforced concrete department store building.  
 Owner—George Gowan.  
 Architects—MacDonald & Kahn, Rialto Bldg., San Francisco.

Contract Awarded.  
**FLATS.** Cost, \$18,000 each.  
**LOS ANGELES,** Cal. West Adams street between Monmouth and Magnolia.  
 Three two-story frame and plaster flats (4 flats of 6 rooms and bath each).  
 Owner—Jessie D'Arche.  
 Architect—Not given.  
 Contractor—Lilly-Fletcher Co., 621 Investment Bldg., Los Angeles.

Plans Being Prepared.  
**GARAGE.** Cost, \$12,500  
**SAN FRANCISCO.** S line Post 103 E Hyde Street.  
 Owner—Kiernan-O'Brien Realty Co.  
 Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco, (29057) R

Plans Being Prepared.  
**FRAME FLATS.** Cost, \$11,000  
**SAN FRANCISCO.** Twenty-ninth and Dolores Streets.  
 Two-story and basement frame (4) flats.  
 Owner—Withheld.  
 Architect—C. O. Clausen, Hearst Bldg San Francisco.

Plans Being Prepared.  
**APARTMENTS.** Cost, \$80,000  
**SAN FRANCISCO.** Location withheld  
 Six-story Class "C" apartment house (35 apts).  
 Owner—Withheld.  
 Architect—C. O. Clausen, Hearst Bldg San Francisco.

Plans Being Figured.  
**AUTO SALES BLDG.** Cost, \$110,000  
**SAN FRANCISCO.** NE Sacramento Street and Van Ness Avenue.  
 Three-story reinforced concrete auto sales building.  
 Owner—Mrs. Herman Walter.  
 Architects—MacDonald & Kahn, Rialto Bldg., San Francisco.

Plans Being Prepared.  
**ALTERATIONS.** Cost, \$—  
**SAN FRANCISCO.** Maskey Bldg., 46 Kearny Street.  
 Alterations to fifth floor.  
 Owner—Mrs. F. Maskey.  
 Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Offices on the fifth and sixth floors will be used for candy factory. Plans will be ready for figures this coming week.

Plans Being Prepared.  
**HALL BLDG.** Cost, \$50,000  
**SALEM,** Oregon.  
 Fireproof (Lausanne) hall building.  
 Owner—Willamette University, Salem  
 Architect—Fred A. Legg, Salem.

**RESIDENCE.** Cost, \$40,000  
**NEAR VALLEY SPRINGS,** Calaveras Co., Cal.  
 Two-story hollow tile residence.  
 Owner—Withheld.  
 Architect—T. M. Edwards, 833 Market St., San Francisco.  
 To replace residence just destroyed by fire.

Plans Being Prepared.  
**RESIDENCES.** Cost, \$25,000 each  
**SAN MATEO,** Cal.  
 Two two-story frame residences.  
 Owners—Withheld.  
 Architect—T. M. Edwards, 833 Market St., San Francisco.

Plans Being Prepared.  
**FRAME RESIDENCE.** Cost, \$10,000  
**SAN MATEO,** San Mateo Co., Cal.  
 One and one-half-story frame residence.  
 Owner—Mr. Thompson.  
 Architect—T. M. Edwards, 833 Market St., San Francisco.

Plans Being Figured.  
**HOSPITAL.** Cost, \$—  
**KLAMATH FALLS,** Oregon.  
 Three-story brick hospital, 40x100 (70 rooms).  
 Owner—Dr. Warren Hunt.  
 Architect—E. E. McClaran, Lumber Exchange Bldg., Portland, Ore.

Plans Being Prepared.  
**CLUB HOUSE.** Cost, \$20,000  
**SALINAS,** Monterey Co., Cal.  
 Two-story frame club house.  
 Owner—Women's Club of Salinas.  
 Architect—Jas. A. Magee, 661 Phelan Bldg., San Francisco.

### SCHOOL IMPROVEMENTS PLANNED.

**TURLOCK,** Stanislaus Co., Cal.—The School Trustees are contemplating plans and specifications for additional buildings on the high school grounds.

**SEWER CONTRACTS AWARDED.**  
**SACRAMENTO,** Cal.—The City Commissioners, M. J. Desmond, City Clerk, have awarded contracts as follows. All to J. W. Terrell:

Improving the alley between J and K Sts. from the east line of 39th to a point 359 feet east, by excavating a trench and constructing a vitrified ironstone pipe sewer with vitrified ironstone Y branches, concrete manhole with castiron curb and cover, and vitrified ironstone flusher branch, and improving the alley first east of Thirty-ninth St. from K St. to a manhole to be constructed 176 feet north of the north line of K St., by excavating a trench and constructing therein a vitrified ironstone pipe sewer with vitrified ironstone Y branches, and vitrified ironstone flusher branch, and backfilling the trench.

Improving the alley between Y St. and Burnett Way, from the manhole in place in 25th St. to the east end of said alley by excavating a trench and constructing therein an 8 inch vitrified ironstone pipe sewer with vitrified ironstone Y branches, constructing concrete manhole with castiron curb and cover, and backfilling the trench.

Improving the easement owned by the City of Sacramento through Lots 1, 2, 3, 4, 5, and 6, Urban Court, from the north line of Lot 2 to the south line of Lot 6, by excavating a trench and constructing therein a 6 inch vitrified ironstone pipe sewer with vitrified ironstone Y branches; constructing concrete manhole complete, constructing vitrified ironstone flushing branches complete, and backfilling the trench.

Improving the alley between J and K Sts. from the east line of 39th St. to a point 359 feet east by excavating a trench and constructing therein a vitrified ironstone pipe sewer with 11 6 inch vitrified ironstone Y branches, constructing concrete manhole, and placing vitrified ironstone flusher branch; and improving the alley first east of 39th St., from the north line of K St. to a manhole to be constructed 176 feet north of the north line of K St. by excavating a trench and constructing a vitrified ironstone pipe sewer with vitrified ironstone Y branches attached, and placing vitrified ironstone flusher branch, and backfilling the trench.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

No.	Owner	Contractor	Am't.
1502	Cohen	Abrahams	1980
1503	Dietlin	Seeger	3000
1504	Shields Est	Berger	4095
1505	Renner	Larsen	2750
1506	Dowd	Dowd	2500
1507	Rose	Boyer	1350
1508	Jones	Jones	5500
1509	Newlands	Taylor	1250
1510	Houston	Johnson	4895
1511	Lewis	Hemminga	1275
1512	Taleri	Ponsero	850
1513	Shattuck	McCormick	600
1514	Ahlorn	Owner	400
1515	Miller	Olsen	750
1516	Archbishop	Leonard	47325
1517	Hagan	Wilson	2325
1518	Stern	Sharman	5163
1519	Kastl	Peterson	450
1520	Rosenbom	Owner	750
1521	Levy	Wilson	900
1522	Garisino	Trevia	2000
1523	Withington	Owner	14900
1524	Covell	Farquharson	1000
1525	Burke	Farquharson	1200
1526	Cerruti	Trevia	22925
1527	Ackerman	Prout	12000
1528	Marshall	Prout	17000
1529	Wooster	Rednall	1070
1530	Modder	Faun	1200
1531	Sutro	Anderson	8190
1532	Hosmer	Billier	20000
1533	Wynne	Quinn	6500
1534	Stern	Sharman	5163
1535	Bothin	Bothin	4000
1536	Diebert	Mulcahy	3400
1537	Wagner	Wagner	2000
1538	Murphy	Swanson	1400
1539	Keneally	Keneally	1000
1540	Davin	Davin	500
1541	Cannon	Cannon	500
1542	Assoc. Oil	Barrett	4485
1543	Houston	Johnson	4825
1544	Slaz	Marcussen	25550
1545	Dunn	Hansen	10200
1546	Same	Pac Mfg Co	2134
1547	Same	Jones	2845
1548	Same	Am E Co	990
1549	Same	Atlan	1281
1550	Same	Bosch	2100
1551	Kingwell	Kingwell	7000
1552	Dietrich	Petersen	3750
1553	Cohen	Riley	21479
1554	Miller	Miller	4500
1555	Clark	Thorup	4000
1556	Clayburgh	Lievre	3000
1557	Newlands	Goericke	1250
1558	Anderson	Holmgren	4000
1559	Marty	Marty	2500
1560	Hyman	Hyman	3000
1561	Carroll	Ostlund	1500
1562	Cavallero	Massagli	1500
1563	Neppach	Neppach	2500
1564	Basset	Olsen	1500
1565	Swayne	Watson	1000
1566	Pagano	Pagano	2500
1567	Gilcrest	Gilcrest	1500

#### ALTERATIONS

(1502) NO. 2512 SAN BRUNO AVE.  
Alterations and additions to two-story frame cottage.  
Owner—Allec Cohen.

#### Architect—None.

Contractor—H. Abrahams.

Filed July 26, '19. Dated June 13, '19.

Framing up and roof on.....\$500

Roof on, plumbing and wiring

and plastering done.....500

TOTAL COST, \$1980

Bond, \$1000. Sureties, H. Abrahams

and Eva Abrahams. Limit, forfeit,

none. Plans and specifications filed

NOTE:—Payments given as recorded

#### FRAME RESIDENCE

(1503) S BERNAL AVE 125 W Shot-

well. One-story frame residence.

Owner—E. Dietlin, 19 Coso Ave., San

Francisco.

Architect—None.

Contractor—R. Seeger, 67 Bernal Ave.,

San Francisco.

COST, \$3000

#### SIDEWALK LIGHTS

(1504) NE STOCKTON AND O'FAR-

rell. New sidewalk lights.

Owner—Shields Estate Co., 63 Post,

San Francisco.

Architect—T. Paterson Ross, 310 Cal-

ifornia, San Francisco.

Contractor—Berger Mfg. Co. of Cal.,

1123 Mission, San Francisco.

COST, \$4095

#### GARAGE

(1505) NO. 1534 CLAY. One-story

frame garage.

Owner—Belle M. P. Renner, San Ma-

teo, Calif.

Architect—None.

Contractor—Chris Larsen & Son, 110

Jessie, San Francisco.

COST, \$2750

#### ALTERATIONS

(1506) W JAWA 100 S Masonic Ave.

Raise, alter and add to flats.

Owner—T. J. Dowd, Folsom bet. 21st

and 22nd, San Francisco.

Architect—None.

Day's work. COST, \$2500

#### FRAME STORE

(1517) SW BUSH AND FILLMORE

(rear). One-story frame store.

Owner—Joe Rose, 1740 Franklin St.,

San Francisco.

Architect—None.

Contractor—Boyer & Sons, 2407 Cal-

ifornia, San Francisco.

COST, \$1350

#### FRAME FLATS

(1508) S GEARY 82-6 W 23rd Ave.

Two-story frame flats.

Owner—Thomas M. Jones, 3814 Army,

San Francisco.

Architect—None.

Day's work. COST, \$5500

#### ALTERATIONS

(1509) SW HUGO AND SIXTH AVE.

Minor alterations to apartments.

Owner—Jas. J. Newlands, Mills Bldg.,

San Francisco.

Architect—None.

Contractor—Taylor & Goericke, Shar-

on Bldg., San Francisco.

COST, \$1250

#### FRAME DWELLING

(1510) LOT 6 BLK 3197 Westwood

Park. One-story frame dwelling.

Owner—Mary A. Houston, 1214 Polk,

San Francisco.

Architect—None.

Contractor—Nels P. Johnson, 223

Louisburg, San Francisco.

COST, \$4895

#### ALTERATIONS

(1511) SE COLUMBUS AND CHEST-

nut. Alter and repair warehouse.

Owner—Lewis Packing Co., Premises.

Architect—None.

Contractor—W. L. Hemminga, 47 Ash-

bury, San Francisco.

COST, \$1275

#### ALTERATIONS

(1512) SE BROADWAY & STOCK-

ton. Alter front.

Owner—G. Taleri, 922 Vallejo, S. F.

Architect—L. Traverso, 854 Union,

San Francisco.

Contractor—J. Ponsero, 18 Stark St.,

San Francisco.

COST, \$850

#### ADDITION

(1513) NO. 455 SEVENTEENTH AV.

Add one room to dwelling.

Owner—Paul Shattuck, Premises.

Architect—None.

Contractor—Thos. McCormick, 25

Gladys, San Francisco.

COST, \$600

#### BRICK WORK, ETC.

(1514) NO. 125 CLIPPER. Brick

and concrete work for garage.

Owner—A. N. Ahlorn, Premises.

Architect—None.

Day's work. COST, \$400

#### ALTERATIONS

(1515) NO. 219 GRANADA. Raise

and alter dwelling.

Owner—F. G. Miller, Premises.

Architect—None.

Contractor—Olaf Olsen, 1214 Stanyan

San Francisco.

COST, \$750

#### SCHOOL

(1516) E FOURTEENTH AVE 90 S

Irving. All work for grading, con-

crete, carpenter, etc., for Saint

Anne's Parochial School.

Owner—The Roman Catholic Arch-

bishop of San Francisco.

Architect—W. D. Shea and H. A. Min-

ton, 244 Kearny, San Francisco.

Contractor—J. J. Leonard, 1158 Do-

lores, San Francisco.

Filed July 29, '19. Dated July 29, '19.

On 1st and 15th of each month 75%

Usual 35 days.....25%

TOTAL COST, \$47,325

Bond, \$24,000. Sureties, Thos. Mc-

Dermott and Timothy Dolly. Limit,

Jan. 15, 1920. Forfeit, none. Plans

and specifications filed.

#### ALTERATIONS

(1517) W TWENTY-NINTH AVE 250

N Vicente N 25x120. All work for

alterations and additions to frame

cottage.  
Owner—Sarah S. Hagan, 2555 29th Ave., San Francisco.  
Architect—None.  
Contractor—Wilson & Balbiani, 2530 28th Ave., San Francisco.  
Filed July 29, '19. Dated July 23, '19.  
Rough work, foundations and rat proofing completed.....\$600  
Plastering completed and building enclosed.....600  
Completed and accepted.....600  
Usual 35 days.....525

TOTAL COST, \$2325

Bond, limit, forfeit, none. Plans and specifications filed.

STORE AND FLAT  
(1518) W RAILROAD AVE 200-3 N Salinas N 25-0-3 W 98-0-4 S 25 E 97-4-4 Lot 9 Blk 1 Garden Tract Hd Assn. All work for two-story frame store and flat building.  
Owner—Henry Stern.  
Architect—None.  
Contractor—T. L. Sharman, 621 Arguello Blvd., San Francisco.  
Filed July 29, '19. Dated July 28, '19.  
Frame up and roof on.....\$1290  
Brown coated.....1290  
Completed and accepted.....1290  
Usual 35 days.....1293

TOTAL COST, \$5163

Bond, \$2600. Sureties, Leon J. Hermitte and Alfred Bothe. Limit, 75 days. Forfeit, none. Plans and specifications filed.

CEMENT WALK, ETC.  
(1519) NO. 433 FAIR OAKS. Cement walk, repair floor and stairs.  
Owner—M. Kastl, Premises.  
Architect—None.  
Contractor—W. C. Peterson, 610 Fillmore, San Francisco.

COST, \$450

ADDITION  
(1520) NO. 35 POMONA. Add 3 rooms to cottage.  
Owner—H. Rosenbohm, Premises.  
Architect—None.  
Day's work.....COST, \$750

ALTERATIONS  
(1521) NOS. 2559 TWENTY-NINTH Ave. Raise dwelling for garage.  
Owner—Aaron B. Levy, Premises.  
Architect—None.  
Contractor—Wilson & Balbiani, 2530 28th Ave., San Francisco.

COST, \$900

ALTERATIONS  
(1522) NW BAY AND MASON. Minor alterations for store and restaurant.  
Owner—Garisimo & Co., 400 Bay, S. F.  
Architect—None.  
Contractor—G. Trevia, 400 Bay St., San Francisco.

COST, \$2000

WAREHOUSE  
(1523) NOS. 438-440 SECOND. Four story Class "C" warehouse.  
Owner—C. W. Withington, 180 Jessie, San Francisco.  
Architect—Lewis M. Gardner, 942 Pine, San Francisco.  
Day's work.....COST, \$14,900

ALTERATIONS  
(1524) N JACKSON 100 W Scott. New window frames in dwelling.  
Owner—Miss I. N. Covell, 2610 Jackson, San Francisco.  
Architect—Julia Morgan, Merchants'

Exchange Bldg., San Francisco.  
Contractor—D. B. Farquharson, 1760 Ellis, San Francisco.

COST, \$1000

ADDITION  
(1525) S JACKSON 137 E Lyon. Add porch for study room.  
Owner—Katherine D. Burke, 3056 Jackson, San Francisco.  
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.  
Contractor—D. B. Farquharson, 1760 Ellis, San Francisco.

COST, \$1200

(1526) SW CHESTNUT & TAYLOR. One-story reinforced concrete garage.  
Owner—Edw. Cerruti, 901 Columbus Ave., San Francisco.  
Architect—P. Righetti, 668 Phelan Bldg., San Francisco.  
Contractor—G. Trevia, 400 Bay, S. F.

COST, \$22,925

FRAME DWELLING  
(1527) LOT 3 BLK 22, Forest Hill. Two-story and basement frame dwelling.  
Owner—Lloyd Ackerman, Mills Bldg. San Francisco.  
Architect—Wm. E. Milwain, Albany Block, Oakland.  
Contractor—J. Prout, 2020 Turk St., San Francisco.

COST, \$12,000

FRAME DWELLINGS  
(1528) LOTS 10 AND 20 BLK 22, Forest Hill. Two two-story and basement frame dwellings.  
Owner—Regina Marshall, Sotilla Ave Forest Hill, San Francisco.  
Architect—Wm. E. Milwain, Albany Block, Oakland.  
Contractor—J. Prout, 2020 Turk St., San Francisco.

COST, \$8500 each

ALTERATIONS  
(1529) NO. 3001 JACKSON. Alter dwelling.  
Owner—Sarah B. Wooster, 509 Montgomery, San Francisco.  
Architect—None.  
Contractor—W. W. Rednall, 2500 Filbert, San Francisco.

COST, \$1070

ADDITION  
(1530) NO. 495 SIXTEENTH AVE. Add two rooms to flats.  
Owner—Mrs. W. J. Modder, Premises  
Architect—None.  
Contractor—Wm. Faun, — 5th Ave., San Francisco.

COST, \$1200

LOFT BUILDING  
(1531) SW FOURTH AND WELSH S 175xE 80. All work for two-story brick loft building.  
Owner—Clara K. and Adolphine Sutro 1155 Pine, San Francisco.  
Architect—Wm. Koenig, 785 Market, San Francisco.  
Contractor—Nels Anderson, 180 Jessie, San Francisco.  
Filed July 30, '19. Dated July 28, '19.  
1st story brick work in place.....\$2047.50  
2nd story brick work in place.....2047.50  
Completed and accepted.....2047.50  
Usual 35 days.....2047.50  
TOTAL COST, \$8190.00  
Bond, \$4095. Sureties, J. A. Brucher

and Chas. Stockholm. Limit, 40 days. Forfeit, none. Plans and specifications filed.

ADDITION  
(1532) W UTAH 50 S 15th. Four-story brick addition to warehouse.  
Owner—Able Hosmer, Foxcroft Bldg., San Francisco.  
Architect—E. P. Antonovich, 20 Montgomery, San Francisco.  
Contractor—John Biller, 460 Montgomery, San Francisco.

COST, \$20,000

WAREHOUSE  
(1533) W CAPP 225 N Seventeenth. One-story brick warehouse, 50x105.  
Owner—Wynne Co.  
Architect—None.  
Contractor—P. P. Quinn, 752 4th Ave. San Francisco.

COST, \$6500

STORE AND FLAT  
(1534) W RAILROAD AVE. bet. Paul and Salinas. Two-story frame store and flat, 25x50.  
Owner—H. Stern, Railroad Ave near Hollist, San Francisco.  
Architect—None.  
Contractor—T. L. Sharman, 1440 Shafter Ave., San Francisco.

COST, \$5163

MANUFACTURING BLDG.  
(1535) N NATOMA 258-6 W First. Two-story brick or concrete manufacturing building.  
Owner—Bothin Real Estate Co., 604 Mission, San Francisco.  
Architect—J. A. Ettler, 604 Mission, San Francisco.  
Day's work.....COST, \$4000

BRICK SHOP  
(1536) N NATOMA 258-6 W First. One-story brick shop.  
Owner—L. C. Diebert, 45 Minna, S. F.  
Architect—None.  
Contractor—Thos. F. Mulcahy, 180 Jessie, San Francisco.

COST, \$3400

ALTERATIONS  
(1537) NO. 160 SPEAR. Alter two-story brick building for machine shop.  
Owner—Joseph Wagner, 555 9th Ave., for Columbia Machine Works.  
Architect—None.  
Day's work.....COST, \$2000

ADDITION  
(1538) NO. 439 GRAFTON AVE. Add two rooms to dwelling, concrete foundation; cement plaster exterior  
Owner—J. E. Murphy, Premises.  
Architect—None.  
Contractor—Ernest Swanson, 311 Lowell, San Francisco.

COST, \$1400

ALTERATIONS  
(1539) NO. 2131 GREEN. Alter dwelling; into 40 flats.  
Owner—Mary E. Kenally, Premises.  
Architect—O. E. Evans, 2569 Mission, San Francisco.  
Day's work.....COST, \$1000

ADDITION, ETC.  
(1540) NO. 536 CHENERY. Move cottage and add one room.  
Owner—Michael and Julia Davin, Premises.  
Architect—None.  
Day's work.....COST, \$500

## CONCRETE WORK, ETC.

(1541) N. TWENTY-SIXTH 200 E  
Diamond. Concrete work, etc., for  
dwelling.  
Owner—J. J. Cannon.  
Architect—None.  
Day's work. COST, \$500

## SERVICE STATION, ETC.

(1542) INTERSECTION FIFTH AVE  
and California and Cornwall. All  
work for service station, comfort  
station and tool house.  
Owner—Associated Oil Co., 55 New  
Montgomery, San Francisco.  
Architect—Bliss & Faville, 593 Mar-  
ket, San Francisco.

Contractor—Barrett & Hilp, Sharon  
Bldg., San Francisco.  
Filed July 31, '19. Dated July 2, '19.  
On completion ..... 75%  
Usual 35 days ..... 25%

TOTAL COST, \$4485

Bond, \$4485. Surety, Fidelity & De-  
posit Co. of Maryland. Limit, forfeit,  
none. Plans and specifications filed.

## RESIDENCE

(1543) LOT 6 IN BLK 3117 West-  
wood Park. All work for one-story  
store and residence building.  
Owner—Mary A. Houston, 752 47th  
Ave., San Francisco.  
Architect—Ida F. McCain, 318 Kearny  
San Francisco.

Contractor—Nels P. Johnson.  
Filed July 31, '19. Dated July 25, '19.  
Enclosed and roof on ..... \$1206.25  
Brown coated ..... 1206.25  
Completed and accepted ..... 1206.25  
Usual 35 days ..... 1206.25

TOTAL COST, \$4825.00

Bond, \$2412.50. Sureties, Carl Sten-  
dell and Jos. Johnson. Limit, 90 days.  
Forfeit, none. Plans and specifica-  
tions filed.

## RESIDENCE

(1544) LOT 40, Presidio Terrace.  
All work except heating system for  
three-story and basement frame  
residence.

Owner—Milton H. Salz, 4 Presidio  
Terrace, San Francisco.  
Architect—Lewis P. Hobart, Crocker  
Bldg., San Francisco.

Contractor—Marcus Marcussen.  
Filed July 31, '19. Dated July 31, '19.  
On 1st and 15th of each month  
cost of labor and material.....

TOTAL COST not to exceed \$25,550;

Contractor to receive 10% of cost.  
Bond, \$13,000. Sureties, Fred Linde-  
man and W. Thompson. Limit, 150  
days. Forfeit, none. Plans and speci-  
fications filed.

## FRAME BUILDING

(1545) N. PINE 199-6 W. Leaven-  
worth 25-2x137-6. Carpentry, paint-  
ing, hardware, etc., for three-story  
and basement frame building.

Owner—Jas. F. Dunn, Union League  
Club, San Francisco.  
Architect—J. F. Dunn, Phelan Bldg.,  
San Francisco.

Contractor—F. L. Hansen, Inc., 2770  
Franklin, San Francisco.

Filed Aug. 1, '19. Dated July 22, '19.  
Frame up ..... \$3500  
Interior ready for plaster ..... 2500  
Completed and accepted ..... 1650  
Usual 35 days ..... 2550

TOTAL COST, \$10,200

Bond, \$5100. Sureties, F. M. Wilder  
and Ed. T. Belden. Limit, 90 days  
after Aug. 1. Forfeit, \$10. Plans and  
specifications filed.

## (1546) MILL WORK ON ABOVE.

Contractor—Pacific Mfg. Co.  
Filed Aug. 1, '19. Dated July 1, '19.  
As work progresses ..... 75%  
When completed ..... 75%

TOTAL COST, \$2134

Bond, none. Limit, as fast as possible  
Forfeit, none. Plans and specifica-  
tions filed.

(1547) PLUMBING, SEWERING &  
gas fitting on above.

Contractor—James & Drucker.  
Filed Aug. 1, '19. Dated July 5, '19.  
Roughed in ..... \$1128  
Completed and accepted ..... 1000  
Usual 35 days ..... 717

TOTAL COST, \$2845

Bond, none. Limit, as fast as possible  
Forfeit, \$10. Plans and specifications  
filed.

(1548) ELECTRICAL WIRING AND  
telephones on above.

Contractor—American Electrical En-  
gineering Company.  
Filed Aug. 1, '19. Dated July 23, '19.  
Roughed in ..... \$495.00  
Completed ..... 247.50  
Usual 35 days ..... 247.50

TOTAL COST, \$990.00

Bond, none. Limit, as fast as possible  
Forfeit, \$10. Plans and specifications  
filed.

(1549) STEAM HEATING, SHEET  
metal and flues on above.

Contractor—Atlas Heating & Vent-  
ilating Co.  
Filed Aug. 1, '19. Dated July 21, '19.  
Roughed in ..... \$767  
Completed ..... 192  
Usual 35 days ..... 322

TOTAL COST, \$1281

Bond, none. Limit, as fast as possible.  
Forfeit, none. Plans and specifica-  
tions filed.

(1550) LATHING & PLASTERING  
on above.

Contractor—Leonard Bosch.  
Filed Aug. 1, '19. Dated June 15, '19.  
Brown coated ..... \$1400  
Finished and accepted ..... 500  
Plastering done ..... 100

TOTAL COST, \$2100

Bond, none. Limit, as fast as possible.  
Forfeit, \$10. Plans and specifications  
filed.

## BUNGALOW AND GARAGE

(1551) LOT 26 BLK 3163, Westwood  
Park. All work for one-story frame  
bungalow and garage.

Owner—Katherine C. Kingwell, 401  
Butler Bldg., San Francisco.  
Architect—Chas. F. Strothoff, 2276  
15th, San Francisco.

Contractor—John J. Kingwell, Butler  
Bldg., San Francisco.

Filed Aug. 1, '19. Dated July 31, '19.  
Enclosed and roof on ..... \$1750  
Brown coated ..... 1750  
Completed and accepted ..... 1750  
Usual 35 days ..... 1750

TOTAL COST, \$7000

Bond, \$3500. Surety, Chas. A. King-  
well. Limit, 90 days. Forfeit, none.  
Plans and specifications filed.

## STORE AND RESIDENCE

(1552) N. SUTTER 20-7½ E Taylor  
E 21 N 81-8 W 21-3½ S 81-8. Con-  
crete work, etc., for three-story re-  
inforced concrete store and resi-  
dence.

Owner—E. C. and Gus Dietrich.  
Architect—L. F. Hyde.

Contractor H. L. Petersen, 62 Post,  
San Francisco.

Filed Aug. 1, '19. Dated July 31, '19.  
Foundation and 1st story done  
and concrete poured and framing  
lumber and anchors set ..... \$937.50  
Balance of forms and fire walls  
finished and concrete poured and  
roof framed ..... 937.50  
Completed and accepted ..... 937.50  
Usual 35 days ..... 937.50

TOTAL COST, \$3750.00

Bond, \$1875. Surety, New Amsterdam  
Casualty Co. Limit, Oct. 1, 1919. For-  
feit, none. Plans and specifications  
filed.

## ADDITION

(1553) E MISSION 220 S Sixteenth.  
Two-story addition for furniture  
store.

Owner—A. Cohen, 2047 Mission St.,  
San Francisco.  
Architect—S. Heiman, 57 Post St.,  
San Francisco.

Contractor—Frank Riley, 752 4th  
Ave., San Francisco.  
COST, \$21,479

## FRAME DWELLING

(1554) E NINETEENTH AVE 225 S  
Balboa. One-story and basement  
frame dwelling.

Owner—W. A. Miller & Co., 743 5th  
Ave., San Francisco.  
Architect—None.

Day's work. COST, \$4500

## FRAME DWELLING

(1555) W. TWENTY-FIFTH AVE 275  
S California. Two-story and base-  
ment frame dwelling.

Owner—Mrs. Maude B. Clark, 348  
25th Ave., San Francisco.  
Architect—J. H. Thorup, 690 24th  
Ave., San Francisco.

Contractor—J. H. Thorup.

COST, \$4000

## ALTERATIONS

(1556) NO. 121 GEARY. Alter 19  
fitting rooms on 2nd floor.

Owner—Leon Clayburgh (Reich &  
Lievre), 126 Post, S. F.  
Architect—A. G. Hall, 125 Geary, S. F.

Day's work. COST, \$3000

## ALTERATIONS

(1557) SW HUGO AND SIXTH AVE  
Minor alterations to apartments.

Owner—James Newlands, Mills Bldg.,  
San Francisco.  
Architect—None.

Contractor—Taylor & Goericke,  
Sharon Bldg., San Francisco.  
COST, \$1250

## DWELLING

(1558) E TWENTY-FIRST AVE 190  
S Balboa. Two-story frame dwlg.

Owner—O. A. Anderson, Care Con-  
tractor.  
Architect—C. O. Clausen, Hearst  
Bldg., San Francisco.

Contractor—Karl Holmgren, 5508  
California, San Francisco.  
COST, \$4000

## ALTERATIONS

(1559) NO. 1336 ELLIS. Alter rooms  
Owner—Joseph Marty, Premises.

Architect—Rousseau & Rousseau, 110  
Sutter, San Francisco.  
Day's work. COST, \$2500

## FRAME DWELLING

(1560) E FIFTEENTH AVE 75 S  
Cabrillo. One-story and basement

frame dwelling.  
Owner—Oscar Heyman & Bro., 742  
Market, San Francisco.  
Architect—None.  
Day's work. COST, \$3000

**ALTERATIONS**  
(1561) NO. 764 MARKET. Alter  
store.  
Owner—Paul T. Carroll, 708 Market,  
San Francisco.  
Architect—C. E. Gottschalk, Phelan  
Bldg., San Francisco.  
Contractor—Ostlund & Johnson.  
COST, \$1500

**ADDITION**  
(1562) E MASONIC AVE 65 S Geary  
Add one-story to dwelling.  
Owner—B. Cavallero, 8 Masonic Ave.,  
San Francisco.  
Architect—None.  
Contractor—Albert Massagli, 147  
Parker Ave., San Francisco.  
COST, \$1500

**FRAME DWELLING**  
(1563) S JUDAH 57-6 W 13th Ave.  
One-story and basement frame  
dwelling.  
Owner—Mrs. J. M. Neppach, 825 Mo-  
nadnock Bldg., San Francisco.  
Architect—J. C. Hladik, 825 Monad-  
nock Bldg., San Francisco.  
Day's work. COST, \$2500

**GARAGE**  
(1564) NO. 1790 OCEAN AVE. One-  
story concrete garage.  
Owner—W. M. Basset, 1790 Ocean  
Ave., San Francisco.  
Architect—None.  
Contractor—Olaf Olsen, 1214 Stanyan  
San Francisco.  
COST, \$1500

**ALTERATIONS**  
(1565) NOS. 179-181 THIRD. Alter  
two stores into one.  
Owner—R. Swayne.  
Architect—None.  
Contractor—Daniel Watson, 39 St.  
Anne, San Francisco.  
COST, \$1000

**ADDITION, ETC.**  
(1566) S UNION 25 E Buchanan.  
Raise; add 12' for flats and alter  
store into apartment.  
Owner—G. Pagano, Care Architect.  
Architect—E. E. Young, 251 Kearny,  
San Francisco.  
Day's work. COST, \$2500

**ALTERATIONS**  
(1567) TENTH AVE near "N." Add  
two rooms to residence.  
Owner—A. Gilcrest, 515 Mission, San  
Francisco.  
Architect—None.  
Day's work. COST, \$1500  
Concrete and grading awarded to a  
Mr. Brown in Sunset District.

#### LEASE.

#### San Francisco County.

July 28, 1919—NW MARKET 113-11  
NE 14th NE 50 NW 100 W 64-3 m  
or 1 S 127-24 NE 35-4. Thos D  
Quigley to Gustave Janson. July  
19, 1919 to July 19, 1924. \$130 per  
month.  
July 29, 1919—NO. 2397 MISSION NE  
Cor. 20th. S Pulfer to Biagio Papa

52 months. \$1120.  
July 29, 1919—N EDDY 137-6 E Jones  
E 37-6XN 137-6. Christy A Mc-  
Collam et al to Arcadia Amuse-  
ment Co. 6 years 1 month. \$10,950

July 30, 1919—NW TWENTY-FIFTH  
and Castro. Home Invst Co to Ada  
S Buck. 5 years. \$21,000.  
July 30, 1919—E VAN NESS AVE 25-6  
S Ellis S 44-5½ E 137-6 N 70-6 W  
27-6 S 25-6½ W 109. Sterling An-  
derson and O E Jones to Edw H  
Houtz. 5 years. \$305 per month.

#### RELEASE OF BLDG. CONTRACT.

#### San Francisco County.

July 29, 1919—FOURTEENTH AVE  
near Irving. The Roman Catholic  
Archbishop of S. F. with J J  
Leonard.

#### COMPLETION NOTICES.

#### San Francisco County.

#### RECORDED ACCEPTED

July 26, 1919—N POST 77 E Laguna  
E 25-10XN 90. Alice Swanton to  
J M Johnson. July 21, 1919  
July 26, 1919—E ROUSSEAU 75 S  
Bosworth S 25X E 120. Fred A  
McCormick to Mark C Ingraham  
July 26, 1919  
July 29, 1919—SW COLUMBUS AVE  
and Adler. C H and Mary Vitalini  
to Trevia & Pasqualetti.  
July 28, 1919  
July 29, 1919—NE SIXTEENTH AV  
and Anza. Chas A Johnson to  
whom it may concern. July 29, 1919  
July 28, 1919—E TWENTY-SIXTH  
AVE 205 N Balboa N 25X E 120.  
Thos Skelly to whom it may concern.  
July 25, 1919  
July 28, 1919—W JONES 102-6 N  
Sutter N 35XW 81-6. James Welsh  
to James Welsh & Co. July 28, 1919  
July 28, 1919—NO. 663 MISSION.  
Mary A Grant to Spencer Eleva-  
tor Co. July 22, 1919  
July 30, 1919—W NEWCOMB AVE  
275 S from E Mendell 25X100. An-  
tonin and Minnie Lajannette to  
whom it may concern. July 30, 1919  
July 30, 1919—W THIRD AVE NW  
Parnassus AVE N 84-4 W 107-6 S  
115-8 NE 112 m or l. MacDonald  
& Kahn to whom it may concern.  
July 28, 1919  
July 30, 1919—PTN LOTS 25 AND  
26 Blk 3174. Hilding Anderson  
to Anderson & Johnson. July 29, '19  
July 30, 1919—E TWENTY-EIGHTH  
AVE 355 N California N 25X E 120.  
Harry B Allen to whom it may  
concern. July 30, 1919  
July 30, 1919—E TWENTY-EIGHTH  
AVE 380 N California N 25X E 120.  
Harry B Allen to whom it may  
concern. July 30, 1919  
July 30, 1919—E 27TH AVE 150 S  
Anza S 25X E 120. Jacob H  
Thorup to whom it may concern.  
July 29, 1919  
July 31, 1919—E FIFTEENTH AVE  
150 N Fulton N 25X120. Adelaide  
D Geinzer to Emil Nelson. July 15, 1919

#### BUILDING CONTRACTS

#### Alameda County.

The following is an index for the  
contracts for this issue:

No.	Owner	Contractor	Am't.
1599	Rule	Birmingham	2000
1600	Denbigh	Hendrickson	2008
1601	Bischoff	Bischoff	3500
1602	Woodburn	Woodburn	3000
1603	Noble	Noble	2750
1604	Pacific Steel	Muller	24000
1605	Leasure	Young	3000
1606	Marshall	Owner	2500
1607	Zetterblad	Owner	2500
1608	Alder	Alder	2000
1609	Christensen	Owner	2850
1610	Burr	Yager	500
1611	Anderson	Frostholm	928
1612	Meads	Nelson	10969
1613	Helmore	Bryson	400
1614	Vaughn	Owner	990
1615	Smith	Schwalm	850
1616	Gregory	Peterson	6700
1617	Hollister	Williams	1500
1618	Schoefer	Mathews	11500
1619	De Vaux	Knight	4500
1620	Henishaw	Parker	80800
1621	Hampton	Mervy	9900
1622	Jalil	Lindstrom	500
1623	Winder	Owner	1000
1624	Steiger	Sappington	900
1625	City of Okl.	Faulkes	1200
1626	Oliver	Oliver	400
1627	Turner	Fredericksen	2500
1628	Franklin	Hopper	6000
1629	Bequette	Owner	500
1630	Swanson	Malinstrom	2388
1631	Roth	Hobson	400
1632	Rogers	Knowles	700
1633	Boehm	Owner	1800
1634	Collins	MacGregor	400
1635	Butler	Hudson	2950
1636	Short	Short	8750
1637	Shuey Crmy	Owner	750
1638	Madsen	Hansson	1400
1639	Joseph	Carr	400
1640	Montanious	Pedgrift	6000
1641	Eisfelt	Knight	400
1642	Ellis	Strong	500
1643	Carleton	Carleton	2000
1644	Carleton	Carleton	4500
1645	Wilson	Wilson	500
1646	Barbour	Blanchard	1500
1647	Kern	Kern	4700
1648	Williams	Morse	1900
1649	Baptist School	Bixby	500
1650	Miller	Miller	400
1651	Barnes	Whalen	4000
1652	Gaddis	Graft	3500
1653	Wilson	Pearce	2500
1654	Collier	Baker	2400
1655	Maderos	Maderos	3000
1656	Newson	Graybill	2380
1657	Westover	Morton	22000
1658	Mills College	Kyle	5500
1659	Marino	Perona	4625
1660	Vail	Vail	1600
1661	Bay Cities Inv.	Owner	4500
1662	Carlston	Skaggs	1400
1663	Cipolatto	Peterson	950
1664	Hawthorne	Morton	24500
1665	Hull	Patton	1000
1666	Board of Ed.	Owner	1600
1667	Derby	Lydixsen	6416

**Alterations.**  
(1599) NO. 2914 ADELIN, Berkeley  
Owner—Mr. Rule, Premises.  
Architect—None.  
Contractor—T. Birmingham, 3005 Ful-  
ton, Berkeley.  
COST, \$2000

(1600) NO. 1224 MASONIC AVE.,  
Berkeley. One-story 4-room dwlg.



Owner—B. K. Deabigh, 2341 Shattuck Ave., Berkeley.  
Architect—None.  
Contractor—A. Hendrickson, 3582 Fruitvale Ave., Oakland.  
COST, \$2000

**DWELLING**  
(1601) W CHERRY 118-6 N Russell, Berkeley. One-story 6-room dwlg.  
Owner—John A. Bischoff, 5763 Shafter Ave., Oakland.  
Architect—None.  
Day's work. COST, \$3500

**DWELLING**  
(1602) SW HAMPEL AND RANDALPH, Oakland. One-story 6-room dwelling.  
Owner—Grace E. Woodburn, 341 Alcatraz Ave., Oakland.  
Architect—None.  
Day's work. COST, \$3000

**DWELLING**  
(1603) S STANFORD AVE 170 W Los Angeles, Oakland. One-story 5 room dwelling.  
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.  
Architect—None.  
Day's work. COST, \$2750

**WAREHOUSE**  
(1604) FOOT TWENTIETH ST., Oakland. One-story concrete warehouse.  
Owner—Pacific Steel & Wire Co.  
Architect—Clay N. Burrell, 1st National Bank Bldg., Oakland.  
Contractor—F. A. Muller, Syndicate Bldg., Oakland.  
COST, \$24,000

**DWELLING**  
(1605) E MILES AVE 40 S Forest, Oakland. One-story 6-room dwlg.  
Owner—E. T. Lesure, 484 Forest St., Oakland.  
Architect—E. E. Young, 251 Kearny St., San Francisco.  
Day's work. COST, \$3000

**DWELLING**  
(1606) S SHAFTER AVE 200 E College Ave., Oakland. One-story 5-room dwelling.  
Owner—J. A. Marshall, Claremont & Avalon, Berkeley.  
Architect—None.  
Day's work. COST, \$2500

**DWELLING**  
(1607) S FAIRFAX AVE 200 E Courtland, Oakland. One-story five-room dwelling.  
Owner—O. Zetterblad, 4639 Fairfax Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2500

**DWELLING**  
(1608) W SIXTY-SECOND AVE 40 S Fortune Way, Oakland. One-story five-room dwelling.  
Owner—A. Alder, 2487 62nd Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2000

**DWELLING**  
(1609) N WELLINGTON 200 E Park Blvd., Oakland. One-story 5-room dwelling.  
Owner—J. P. Christensen, 3831 Brighton Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2850

**ROOF SIGN**  
(1610) NO. 2308 BROADWAY, Oakland. Burr & Hetzcll, Premises.  
Architect—None.  
Contractor—Yager Sheet Metal Wks., land. Roof sign.  
3501 Chestnut, Oakland.  
COST, \$500

**ALTERATIONS**  
(1611) NO. 485 HARDY, Oakland. Alterations.  
Owner—A. P. Anderson, Premises.  
Architect—None.  
Contractor—H. M. Frostholt, 6457 Colby, Oakland.  
COST, \$926

**GARAGE**  
(1612) W MARKET 162 N Eighth, Oakland. One-story concrete garage.  
Owner—J. O. Meads.  
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.  
Contractor—H. P. Nelson, 2241 Grove, Oakland.  
COST, \$10,969

**ALTERATIONS**  
(1613) NO. 3732 THIRTY-EIGHTH Ave., Oakland.  
Owner—Mrs. Mary Helmore.  
Architect—None.  
Contractor—C. Bryson.  
COST, \$400

**GARAGE**  
(1614) S FORTIETH 293 W Telegraph Ave., Oakland. One-story brick garage.  
Owner—M. C. Vaughn, 5833 Ayala, Oakland.  
Architect—None.  
Day's work. COST, \$990

**ADDITION**  
(1615) NO. 1023 LAKESHORE AVE., Oakland. Addition.  
Owner—E. R. Smith.  
Architect—None.  
Contractor—Harry Schwalm, 721 Main St., Hayward.  
COST, \$850

**DWELLING**  
(1616) S CALMAR AVE 500 W Carlston, Oakland. Two-story 7-room dwelling.  
Owner—Jeannie Gregory, 850 Calmar Ave., Oakland.  
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.  
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.  
COST, \$6700

(1617) NO. 31 HIGH COURT, Berkeley. Additions and alterations to dwelling.  
Owner—W. Hollister, Premises.  
Architect—None.  
Contractor—J. A. Williams, 646 Colusa Ave., Berkeley.  
COST, \$1500

**RESIDENCE**  
(1618) EAST PIEDMONT HEIGHTS, Oakland. All work for two-story and basement 9-room frame residence.  
Owner—E. E. Schaefer.  
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.  
Contractor—W. E. Mathews, 180 Jessie, San Francisco.  
COST, \$11,500

**BOAT HOUSE**  
(1619) FOOT EIGHTH AVE., Oakland. One-story boat house.  
Owner—Norman De Vaux.  
Architect—None.  
Contractor—Harry C. Knight, 1601 Telegraph Ave., Oakland.  
COST, \$4500

**ALTERATIONS**  
(1620) SE FOURTEENTH AND Broadway 100x200, Oakland. All work for alterations to Macdonough Theatre and office building.  
Owner—W. G. Henshaw, Mills Bldg., San Francisco.  
Architect—Weeks & Day, San Francisco.  
Contractor—The K. E. Parker Co.  
Filed July 28, '19. Dated July 24, '19.  
On 10th of each month..... 75%  
Usual 35 days..... Balance  
TOTAL COST, not over \$80,800 plus contractor to get \$8500.  
Bond, none. Limit, Feb. 24, 1920.  
Forfeit, \$50. Plans and specifications filed.

**WHARF**  
(1621) FOOT OF HIGH ST., Oakland. Wharf.  
Owner—Wm. E. Hampton Co., 1206 Page St., San Francisco.  
Architect—None.  
Contractor—Mervy Elwell Co., 11th Ave., Oakland.  
COST, \$3900

**GARAGE**  
(1622) S ROSE 100 W Canning, Oakland. Garage.  
Architect—Ernest Jalin, 891 37th St., Oakland.  
Architect—None.  
Contractor—N. T. Lindstrom, 879 37th Oakland.  
COST, \$500

**ALTERATIONS**  
(1623) NO. 537 FOURTEENTH, Oakland. Alterations.  
Owner—A. H. Winder, Premises.  
Architect—None.  
Day's work. COST, \$1000

**ALTERATIONS**  
(1624) NO. 543 TWENTY-THIRD, Oakland. Alterations.  
Owner—M. Steiger, Premises.  
Architect—None.  
Contractor—W. A. Sappington, 2111 Webster, Oakland.  
COST, \$900

**SCHOOL**  
(1625) SW FIFTY-FOURTH AND Market, Oakland. One-story one-room school.  
Owner—City of Oakland.  
Architect—None.  
Contractor—John R. Faulkes, 9828 E-14th, Oakland.  
COST, \$1200

**ALTERATIONS**  
(1626) NE FOURTEENTH AND Webster, Oakland. Alterations.  
Owner—D. F. Oliver Estate, 2610 E-14th, Oakland.  
Architect—Edw. T. Faulkes, S. F.  
Day's work. COST, \$400

**APARTMENTS**  
(1627) NO. 1329 TAMALPAIS, Berkeley. Two-story 4-room apartments.  
Owner—Shirley Turner, Premises.

Architect—None.  
Contractor—Peter Fredericksen.  
COST, \$2500

**DWELLING AND GARAGE**  
(1628) LOT 42 Map Piedmont Manor, Piedmont. All work for one-story 6-room dwelling and garage.  
Owner—William Franklin, 5701 San Pablo Ave., Oakland.  
Architect—None.  
Contractor—M. E. Hopper & Son, 1729 Pleasant Valley Ave., Oakland.  
Filed July 30, '19. Dated July 25, '19.  
Contract signed ..... \$1000  
Frame up ..... 1000  
Brown coated ..... 1250  
Completed ..... 1250  
Usual 35 days ..... 1650  
TOTAL COST, \$6000

Bond, none. Limit, 90 days from July 26. Forfeit, none. Plans and specifications filed.

**ADDITION**  
(1629) NO. 257 ATHOL AVE., Oakland. Addition.  
Owner—J. P. Bequette, Premises.  
Architect—None.  
Day's work. COST, \$500

**DWELLING**  
(1630) S BROOKDALE 500 E Peralta Oakland. One-story 5-room dwlg.  
Owner—A. Swanson, 3344 Brookdale Ave., Oakland.  
Architect—None.  
Contractor—J. B. Malinstrom, 2326 27th Ave., Oakland.  
COST, \$2388

**OFFICE**  
(1631) W PIEDMONT AVE. off 41st Oakland. One-story 1-room office.  
Owner—Mary Roth, 41st and Howe, Oakland.  
Architect—None.  
Contractor—L. B. Hobson, 4125 Piedmont Ave., Oakland.  
COST, \$400

**ADDITION**  
(1632) NO. 4037 BROADWAY, Oakland. Addition.  
Owner—R. R. Rogers, Hayward.  
Architect—None.  
Contractor—W. A. Knowles, 3345 Broadway, Oakland.  
COST, \$700

**DWELLING**  
(1633) NE THIRTY-FIFTH AVE & Suter, Oakland. One-story 4-room dwelling.  
Owner—Frank Boehme, 3356 Maple Ave., Oakland.  
Architect—None.  
Day's work. COST, \$1800

**ALTERATIONS**  
(1634) NO. 227 ORANGE, Oakland. Alterations.  
Owner—R. S. Collins, Premises.  
Architect—None.  
Contractor—J. R. MacGregor, 731 60th Oakland.  
COST, \$400

**DWELLING**  
(1635) N NICOL 90 W Champlon, Oakland. One-story 5-room dwlg.  
Owner—J. F. Butler, 1862 O'Farrell, San Francisco.  
Architect—None.  
Contractor—L. G. Hudson, 3458 Frijolvale Ave., Oakland.  
COST, \$2950

**FLATS**  
(1636) S HILL LANE 200 E Euclid, Oakland. Two-story 16-room flats.  
Owner—Louise H. Short.  
Architect—None.  
Contractor—C. W. Short, 245 Acton Place, Oakland.  
COST, \$8750

**SHED**  
(1637) NO. 2412 STUART, Berkeley. Shed.  
Owner—Shuey Creamery Co., 2809 Telegraph Ave., Berkeley.  
Architect—None.  
Day's work. COST, \$750

(1638) NO. 1403 BONITA AVE., Berkeley. Addition.  
Owner—Mrs. E. Madsen, Premises.  
Architect—None.  
Contractor—Louis O. Hansson, 1128 The Alameda, Berkeley.  
COST, \$1400

**ADDITION**  
(1639) NO. 3249 BRIGGS AVE., Alameda. Addition.  
Owner—Pauline Joseph, Premises.  
Architect—None.  
Contractor—W. H. Carr, 1617 5th Ave. Oakland.  
COST, \$400

**STORE BUILDING**  
(1640) TYNAN AVE., Alameda. One story frame store building.  
Owner—E. B. Montanious.  
Architect—None.  
Contractor—Jas. H. Pedgrift, 565 16th Oakland.  
COST, \$6000

**ALTERATIONS**  
(1641) NO. 1025 SHERMAN, Alameda. Alterations.  
Owner—T. Eistfelt, Premises.  
Architect—None.  
Contractor—Harry C. Knight, 2265 Powell Blvd., Alameda.  
COST, \$400

**GARAGE**  
(1642) SE SAN JOSE AND GRAND, Alameda. Garage.  
Owner—Dr. James Ellis, Alameda.  
Architect—None.  
Contractor—F. N. Strang, 1405 Central Ave., Alameda.  
COST, \$500

**DWELLING**  
(1643) S TAYLOR 243 W Sixth, Alameda. One-story 4-room dwelling.  
Owner—S. Carleton, 2023 69th Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2000

**DWELLING**  
(1644) S TAYLOR 275 W Sixth, Alameda. One-story 5-room dwelling.  
Owner—S. Carleton, 2023 69th Ave., Alameda.  
Architect—None.  
Day's work. COST, \$2250

**ALTERATIONS**  
(1645) NO. 2327 WEBSTER, Alameda. Alterations.  
Owner—A. D. Wilson, 1117 Franklin, Oakland.  
Architect—None.  
Day's work. COST, \$500

**ADDITION**  
(1646) NO. 506 CENTRAL AVE., Alameda. Addition.

Owner—E. M. Barbour, Premises.  
Architect—None.  
Contractor—C. H. Blanchard, 556 27th, Oakland.  
COST, \$1500

**DWELLING**  
(1647) W CONTRA COSTA AVE 125 N Indian Rock, Berkeley. One-story 7-room dwelling.  
Owner—Herbert F. Kern, 965 Indian Rock, Berkeley.  
Architect—None.  
Day's work. COST, \$4700

**ALTERATIONS**  
(1648) NO. 1410 SCENIC AVE., Berkeley. Alter and repair dwelling.  
Owner—Mr. Williams, Premises.  
Architect—None.  
Contractor—T. O. Morse, 1398 Scenic Ave., Berkeley.  
COST, \$1900

**ALTERATIONS**  
(1649) NO 2606 DWIGHT WAY, Berkeley. Alterations.  
Owner—Baptist Divinity School, 2606 Dwight Way, Berkeley.  
Architect—None.  
Contractor—R. R. Bixby, 2447½ Webster, Berkeley.  
COST, \$500

**ADDITION**  
(1650) NO. 1731 GROVE, Berkeley. Addition.  
Owner—Martin Miller, Premises.  
Architect—None.  
Day's work. COST, \$400

**ALTERATIONS**  
(1651) N THIRTY-FOURTH 60 W Webster, Oakland. Alterations and additions to dwelling.  
Owner—Mrs. Barnes, 157 Grand Ave., Oakland.  
Architect—None.  
Contractor—W. E. Whalin, 565 16th, Oakland.  
COST, \$4000

**DWELLING**  
(1652) NO. 471 CHETWOOD, Oakland. Alter dwelling.  
Owner—Dr. Gaddis, 601 1st National Bank Bldg., Oakland.  
Architect—None.  
Contractor—Edwin Graff, 1926 Broadway, Oakland.  
COST, \$3500

**DWELLING**  
(1653) W. CANON 600 N Hopkins, Oakland. One-story 5-room dwlg.  
Owner—W. L. Wilson.  
Architect—None.  
Contractor—J. C. Pearce, 6932 Lockwood, Oakland.  
COST, \$2500

**DWELLING**  
(1654) S FLORA 61 E 64th Ave., Oakland. One-story 4-room dwelling.  
Owner—E. Collier, 1016 Lakeshore Ave., Oakland.  
Architect—None.  
Contractor—Wm. J. Baker, 546 30th, Oakland.  
COST, \$2400

**DWELLING**  
(1655) N FREDERICK 50 E Kennedy Oakland. One-story 5-room dwlg.  
Owner—Joe Maderos, 1022 Cotton, Oakland.  
Architect—None.  
Day's work. COST, \$3000

## DWELLINGS

(1656) E TWENTY-SECOND AVE  
38 S E-28th S 36x125, Okd. All  
work for three 5-room dwellings.  
Owner—Wm. A. Newsom, Oakland.  
Architect—L. F. Hyde, 26th Ave, Okd.  
Contractor—Graybill & Wierk.  
Filed July 30, '19. Dated July 29, '19.  
Material delivered.....Paid  
Value work rendered when due.....Paid  
Frame up.....\$100  
Usual 35 days.....Balance  
TOTAL COST, \$2380  
Bond, none. Limit, 35 days. Forfeit,  
none. Plans and specifications filed.  
NOTE—Contract given as recorded.

## APARTMENTS

(1657) E 60.75 LOT 2 and N 22 Lot 1  
Blk "A," Whitney Tract, Berkeley.  
All work for three-story apartments  
Owner—Myron Westover, Berkeley.  
Architect—None.  
Contractor—Mathew Morton, Bkly.  
Filed July 31, '19. Dated July 24, '19.  
Roof boards on.....\$4800  
Brown coated.....4200  
Standing finish on.....3500  
Completed and accepted.....4000  
Usual 35 days.....5500  
TOTAL COST, \$22,000  
Bond, \$11,000. Sureties, E. M. Downer  
and E. M. Tilden. Limit, 4 months.  
Forfeit, none. Plans and specifications  
filed.

## PLUMBING WORK

(1658) CAMPUS MILLS COLLEGE,  
Oakland. Plumbing for two-story  
and basement dormitory building.  
Owner—Mills College Inc., acting  
through Agents P. J. Walker Co.  
Architect—Bakewell & Brown, 251  
Kearny, San Francisco.  
Contractor—H. I. Kyle.  
Filed July 31, '19. Dated July 29, '19.  
Each month cost of materials  
and labor.....  
TOTAL COST, \$5500  
Bond, \$2750. Surety, U. S. Fidelity &  
Guaranty Co. Limit, 25 days. Forfeit,  
none. Plans and specifications filed.

## ALTERATIONS

(1659) E FILBERT bet. 5th and 7th  
Streets, 100x125, Oakland. All work  
for altering four dwellings.  
Owner—Frank Marino and wife, 6  
Genoa Place, Oakland.  
Architect—None.  
Contractor—John Perona.  
Filed Aug. 1, '19. Dated July 31, '19.  
Rustic on lower parts.....\$1150  
Plumbing completed.....1150  
Completed.....1150  
Usual 35 days.....1175  
TOTAL COST, \$4625  
Bond, none. Limit, 65 days. Forfeit,  
\$333. Specifications only filed.

## DWELLING

(1660) N E-FOURTEENTH 50 W  
100th Ave., Oakland. One-story 4-  
room dwelling.  
Owner—H. R. Vail, 725 E-23rd, Okd.  
Architect—None.  
Day's work.....COST, \$1600  
(1661) NO. 1831 MYRTLE, Oakland.  
Alter apartments.  
Owner—Bay Cities Invest. Co., Blake  
Bldg., Oakland.  
Architect—None.  
Day's work.....COST, \$4500

## ALTERATIONS

(1662) NO. 839 FIFTY-THIRD, Oak-  
land. Alterations.  
Owner—Mrs. A. V. Carliston, Premises  
Architect—None.  
Contractor—J. H. Skaggs, 536 44th,  
Oakland. COST, \$1400  
STORE  
(1663) NE THIRTY-EIGHTH AVE  
and Allendale, Oakland. One-story  
one-room store.  
Owner—P. Ciptoloto, 38th Ave and  
Allendale, Oakland.  
Architect—None.  
Contractor—P. Peterson, 2059 Leise  
Ave., Oakland. COST, \$950

## APARTMENTS

(1664) W EUCLID AVE 50 N Haw-  
thorne Terrace, Berkeley. Three-  
story 15-room apartments.  
Owner—Hawthorne Investment Co.,  
Berkeley.  
Architect—None.  
Contractor—Mathew Morton, 2911  
Benvenue Ave., Berkeley. COST, \$24,500  
ALTERATIONS  
(1665) NO. 2627 FULTON, Berkeley.  
Alterations.  
Owner—T. B. Hull, Premises.  
Architect—None.  
Contractor—W. T. Patton, 2224  
Roosevelt Ave., Berkeley. COST, \$1000

## REPAIRS

(1666) ROSE AND WALNUT, Ber-  
keley. Repairs.  
Owner—Board of Education, 2133  
Allston Way, Berkeley.  
Architect—None.  
Day's work.....COST, \$1600

## ADDITION

(1667) ADJACENT TO NO. 3069 E-  
14th St., being SW Cor. E-14th and  
31st avenue SW 100.19 W 56.13 th  
100 to pt on E-14th SE 50.3, Oak-  
land. All work except electric  
work, light fixtures, shades, plumb-  
ing and white wash for Class "C"  
addition to garage.  
Owner—Derby Estate Co.  
Architect—L. F. Hyde, 26th Ave.,  
Oakland.  
Contractor—George H. Lydixsen,  
Oakland  
Filed Aug. 2, '19. Dated July 31, '19.  
Brick work started..... $\frac{1}{4}$   
Brick work completed..... $\frac{1}{4}$   
Completed and accepted..... $\frac{1}{4}$   
Usual 35 days..... $\frac{1}{4}$   
TOTAL COST, \$6446  
Bond, \$3500. Surety, Fidelity &  
Casualty Co. Limit, 60 days. Forfeit,  
\$1. Plans and specifications filed.

## COMPLETION NOTICES.

## Alameda County.

Recorded Accepted  
July 26, 1919—NW SIXTY-FIFTH  
and Tremont, Okd. J A Sullivan  
to Elmer Davis.....July 23, 1919  
July 25, 1919—PT. DISTANT 60 NW  
Horton St. and S boundary line  
lands Mee Estate NW 598.02 SW  
203.72 SE 598.75 NE 233.32,  
Emeryville. Sherman-Williams  
Co of Calif. to George Wagner.  
.....July 24, 1919

July 28, 1919 NE DERBY AVE 210  
NE E-12th NE 35xNW 123.38,  
Okd. Cora B Grady by A K P  
Harmon to S A Werner.....July 23, 1919  
July 28, 1919—LOT 112 Map Pied-  
mont-by-the-Lake, Okd. Henry  
W Haler to whom it may concern  
.....July 26, 1919  
July 29, 1919—LOT 14 Piedmont-  
by-the-Lake Tract, ..... Gert-  
rude Sinnhoff to E A Spencer.....  
.....July 25, 1919

## BUILDING CONTRACTS.

## Santa Clara County.

BUILDING  
SIXTH ST., Chiatown, San Jose.  
Building.  
Owner—Wing Moo.  
Architect—None.  
Contractor—J. C. Thorp, 45 Auzevals  
Bldg., San Jose. COST, \$1000

SERVICE STATION  
MARKET AND SAN CARLOS STS.,  
San Jose. Service station.  
Owner—Associated Oil Co.  
Architect—None.  
Contractor—R. O. Summers, 1019  
Sherman St., San Jose. COST, \$5000

COTTAGE  
SIXTH AND KEYES STS., San Jose.  
Five-room cottage.  
Owner—Geo. K. Holloway, San Jose.  
Architect—None.  
Day's work.....COST, \$1400

WARE HOUSE  
PLEASANT AND JULIAN STS., San  
Jose. Brick ware house.  
Owner—Guggenheim Co., San Jose.  
Architect—None.  
Contractor—H. A. Bridges, 725 S-7th  
St., San Jose. COST, \$20,000

DWELLING  
E THIRTEENTH ST., bet. San Fer-  
nando and San Antonio, San Jose.  
Dwelling.  
Owner—W. J. Curtner, 185 S-16th St.,  
San Jose.  
Architect—None.  
Contractor—G. Lundbloom, San Jose.  
COST, \$10,732

FILING STATION  
FIRST AND ST. JAMES STS., San  
Jose. Filing station.  
Owner—Standard Oil Co., 2nd and  
San Carlos, San Jose.  
Architect—None.  
Day's work.....COST, \$1000

ALTERATIONS  
MARKET AND SANTA CLARA STS.,  
San Jose. Alterations.  
Owner—L. Hart & Sons, 84 W-Santa  
Clara St., San Jose.  
Architect—Binder & Curtis, 257 S-1st  
St., San Jose.  
Contractor—W. J. Moore, 75 Duane  
St., San Jose. COST, \$10,000

FRAME BUILDING  
E EIGHTH ST., bet. Empire and  
Jackson Sts., San Jose. Frame  
nursery building.  
Owner—California Packing Corp.,  
San Carlos and Bush Sts., San  
Jose.

Architect—None.

Contractor—F. L. Hoyt, San Jose.

COST, \$2000

**E FOURTEENTH ST., bet. San Salvador and Williams Sts., San Jose.**  
Cottage.

Owner—F. C. Archer, 311 S-14th St., San Jose.

Architect—None.

Contractor—A. M. Whiteside, 71 S-19th St., San Jose.

COST, \$5800

**ALTERATIONS**

**NO. 25 E-SANTA CLARA ST., San Jose.** Alter front.

Owner—Savory Restaurant, Premises. Architect—None.

Contractor—Wallace & Bush, Bank of San Jose, San Jose.

COST, \$2000

**BRICK BUILDING**

**E FIRST ST., bet. William and San Salvador Sts., San Jose.** One-story brick building.

Owner—Jay McCabe & Chas. O'Brien, 82 S-First St., San Jose.

Architect—None.

Contractor—F. L. Hoyt, 566 N-16th St., San Jose.

COST, \$15,000

**ALTERATIONS**

**SANTA CLARA near Market, San Jose.** Alterations.

Owner—Auzevals Estate, Auzevals Bldg., San Jose.

Architect—None.

Contractor—Shottenhamer Bros., 401 S-Market St., San Jose.

COST, \$3500

**FOURTEENTH AND WASHINGTON Sts., San Jose.** Four-room cottage.

Owner—A. W. Slaght, Premises.

Architect—None.

Contractor—Ed. Slaght, 752 S-9th St., San Jose.

COST, \$1800

**FRAME RESIDENCE**

**NEAR SARATOGA.** All work except plumbing, fixtures, window shades and fish hardware for frame residence.

Owner—Hamilton Morgan, San Francisco.

Architect—None.

Contractor—O. H. Anderson, Monta Vista, Santa Clara Co., Cal.

Filed July 23, '19. Dated July 12, '19.

Frame up and roof ready for shingling ..... \$725

Building, all brick work and chimneys in place and 1st coat plaster applied ..... 725

Completed and accepted ..... 725

Usual 35 days ..... 725

TOTAL COST, \$2900

Bond, none. Limit, 150 working days from date. Forfeit, none. Plans and specifications filed.

**FRAME COTTAGE**

**LOTS 30 AND 31 BLK "A" Pauline Tract, Town of Sunnyvale, Santa Clara County.** All work for one-story frame cottage.

Owner—The Roman Catholic Archbishop of San Francisco (a corporation sole).

Architect—Charles S. McKenzie, San Jose.

Contractor—William M. Myer, Cupertino, Cal.

**BUILDING AND ENGINEERING NEWS**

Filed July 29, '19. Dated July 28, '19.

Frame erected ..... \$1368.75

1st coat plaster in inside ..... 1368.75

When completed ..... 1368.75

Usual 35 days ..... 1368.75

TOTAL COST, \$5475.00

Bond, \$3000. Sureties, Homer J. Langdon and A. L. Hubbard. Limit, 80 days. Forfeit, none. Plans and specifications filed.

**BUILDING**

**ON POLHEMUS ST., near Stockton Ave., San Jose.** Building including concrete foundation, piers, lumber, mill work, nails, carpenter work and hardware.

Owner—Charles B. and E. R. Polhemus.

Architect—Wolfe & Higgins, San Jose Contractor—E. L. Wolfe, San Jose.

Filed July 30, '19. Dated July 29, '19.

As work progresses ..... 75%

Bond, \$1562.50. Sureties, Benj. A. Quimet and J. B. Wolfe. Limit, 30 days. Forfeit, \$2 per day. Plans and specifications filed.

**COMPLETION NOTICES.****Santa Clara County.**

Recorded ..... Accepted  
July 28, 1919—FOURTEENTH AND Washington, San Jose. Mabel Slaght to whom it may concern.....

..... July 22, 1919  
July 23, 1919—LICK AVE., San Jose.

San Jose Canning Co to R Lee Wallace and Lysle W Bush.....

..... July 23, 1919  
July 25, 1919—CAMPUS OF STANFORD University, Palo Alto. Board of Trustees Leland Stanford Jr University to San Francisco Compressed Air Cleaning Co.....

..... July 19, 1919

**BUILDING CONTRACTS.****San Mateo County.**

**PTN LOTS 1, 2, 3, 4 AND 5 BLK 33 Oak Knoll Manor, near Redwood City.** All work for two-story frame girls' club building.

Owner—Mortimer Fleischacker.

Architect—Edward E. Young, 251 Kearny St., San Francisco.

Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Filed July 26, '19. Dated July 19, '19.

On 1st of each month ..... 75%

Usual 35 days ..... 25%

TOTAL COST, \$14,200.

Bond, none. Limit, on or before Nov. 20, 1919. Forfeit, none. Plans and specifications filed.

**BUILDING CONTRACTS.****San Joaquin County.****COTTAGE**

**HIGH SCHOOL GROUNDS, Stockton.** Frame cottage.

Owner—Board of Education of Stockton.

Architect—None.

Day's work ..... COST, \$2700

**FRAME DWELLING**

**FAIR OAKS, Stockton.** Frame dwlg.

Owner—G. F. Barr.

Architect—None.

Day's work ..... COST, \$2250

**ADDITION**

**STOCKTON.** Addition to plant.

Owner—National Paper Products Co. Church bet. McDougall & Stockton Sts., Stockton.

Architect—None.

Day's work ..... COST, \$60,000

**BUILDING CONTRACTS.****Santa Clara County.****ALTERATIONS**

**BASSETT AND SAN PEDRO STS., San Jose.** Alterations and repairs.

Owner—Western Meat Co., San Jose Branch, Bank and San Pedro Sts., San Jose.

Architect—None.

Day's work ..... COST, \$2000

**ALTERATIONS**

**SEVENTH AND SAN FERNANDO Sts., San Jose.** Alterations and additions.

Owner—Ed Gilman, Premises.

Architect—Warren J. Skillings, San Jose.

Contractor—Jas. Lemieux, 577 S-6th St., San Jose.

COST, \$12,500

**ADDITION**

**NO. 279 DELMAS, San Jose.** Addition and alterations.

Owner—W. M. Peterbaurgh, Premises.

Architect—None.

Contractor—J. W. Williams, 931 S-8th St., San Jose.

COST, \$500

**BUILDING CONTRACTS.****Marin County.****FRAME DWELLING**

**SAN ANSELMO.** Carpenter work, brick work, labor, etc., for two-story frame dwelling.

Owner—W. F. McKannay, San Francisco.

Architect—T. Paterson Ross, 310 California St., San Francisco.

Contractor—Fred Miller, 222 Dolores St., San Francisco.

Filed July 25, '19. Dated July 8, '19.

Frame up ..... \$1800

When plastered ..... 1900

When completed ..... 1900

Usual 35 days ..... 1875

TOTAL COST, \$7475

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

**BUILDING CONTRACTS.****Fresno County.****DWELLINGS**

**ALTA VISTA TRACT Lots 4, 5, 6, 7 and 12 Blk 15, Fresno.** Five frame dwellings and garages.

Owner—Fresno Bldg. Cptn.

Architect—None.

Day's work. Cost, \$4750 to \$5800 each

**FRAME DWELLING**

**CEDAR PARK Lot 7 Blk 11, Fresno.** One-story frame dwelling.

Owner—J. W. Hickey, 1911 Fresno St., Fresno.

Architect—None.

Day's work ..... COST, \$1500

**FRAME DWELLING**

**LOT 6 BLK 33, Alta Vista Tract, Fresno.** Frame dwelling.

OWNER—L. J. Walker, 260 N-U St., & G. A. Cockrell, 1525 O St., Fresno. Architect—None.  
Contractor—Yarnell & Garges, 1026 S-4th St., Fresno.  
COST, \$2800

**REPAIRS**  
NO. 1525 -39 TULARE ST., Fresno. Repair fire damaged building.  
Owner—Tony Duck.  
Architect—None.  
Contractor—A. Allen, 259 Blackstone St., Fresno.  
COST, \$2400

**DWELLING**  
LOTS 19 AND 20 BLK 19, North Park Terrace, Fresno. Frame dwelling and garage.  
Owner—Chess & Peterson.  
Architect—None.  
Contractor—Hansen Const. Co., 2225 Fresno St., Fresno.  
COST, \$4800

**SEWER BIDS REJECTED. NEW BIDS WANTED.**  
BENICIA, Solano Co., Cal.—All bids for construction of the West Side sewer have been rejected by the City Trustees and the Clerk authorized to advertise for new bids.

**PAVING BIDS WANTED.**  
BEND, Ore.—Bids for the improvement of several streets will be received by the City Recorder, D. H. Peoples, up to August 25th, the work to cost about \$22,640.25.

**HIGHWAY BIDS WANTED.**  
Bids will be received up to August 25th, 2 P. M., by the California Highway Commission for highway work as follows:

Lake County, 9.4 miles to be graded  
Santa Barbara County, 3.6 miles to be paved with Portland cement.  
Ventura Co., 5.2 miles to be paved with cement.

Los Angeles County, 6.3 miles to be paved with Portland cement and asphaltic surface.

Austin B. Fletcher, Highway Engineer, 515 Forum Bldg., Sacramento.

**AUTOMOBILE BUS BIDS WANTED.**  
EMPIRE, Kings Co., Cal.—Bids will be received by the Trustees of the Empire School District, Kings County, up to 8 p. m., August 14th, for furnishing and delivering one automobile bus, new or second hand. Delivery to be made by September 1, 1919.

**TWO BIDS RECEIVED FOR HETCH HETCHY DAM.**

The Utah Construction Co., of Salt Lake City, submitted the low bid to the Board of Public Works for the construction of the Hetch-Hetchy dam. Two bids were submitted as follows:

Utah Construction Co., Certified Check, \$550,000; bid approximately, \$5,400,000.

R. C. Storrie Co., Certified Check, \$550,000; bid approximately, \$6,200,000.

It is probable that the bids will be rejected as the estimates of the City Engineer runs about \$4,000,000.

A complete list of the bids will be published in these columns tomorrow.

Further information may be had from the Clerk of the District, M. L. Huff, Empire, Calif.

### SCHOOL ALTERATION BIDS WANTED.

LINDSAY, Tulare Co., Cal.—Bids will be received by Architects Swartz & Swartz, 624 Rowell Bldg., Fresno, up to 3 P. M., August 15th, for the construction and remodeling of a school building, tank house and lunch shed for the Lindsay School District.

Plans and specifications may be obtained from the architects.

Trustees of the District are: H. C. Mathiesen, Gus Anderson and Eric Anderson.  
Cal.

### SCHOOL REPAIR BIDS WANTED.

GRASS VALLEY, Nevada Co., Cal.—Bids will be received by the City Board of Education, Wm. J. Peters, President, and A. B. Champion, Clerk, up to August 4th, 7:30 p. m., for the shingling and other repairs to be made on the Columbus School building, as per plans and specifications on file with the clerk at the Nevada County Bank, Mill street, Grass Valley, Cal.

### SCHOOL HEATING SYSTEM BIDS WANTED.

MODESTO, Stanislaus Co., Cal.—Bids will be received by the Board of Education, Kathleen G. Prewett, Secretary, up to August 12th, 7:30 P. M., for a heating plant for the Seventeenth Street School. The work is estimated to cost \$4,500.

### BIDS WANTED FOR FERRY LAND-ING CONSTRUCTION.

WOODLAND, Yolo Co., Cal.—Bids will be received up to August 18th, 10 A. M., by the County Board of Supervisors, H. R. Saunders, Clerk, for the construction of two ferry landings on the banks of the Sacramento River, at Clarksburg, Yolo County.

Further information together with plans and specifications may be had from the County Clerk.

### BRIDGE BIDS WANTED.

REDDING, Shasta Co., Cal.—Bids will be received by the County Supervisors, S. N. Witherow, Clerk, up to August 20th, 10 a. m., for the construction of the following concrete wagon road bridges in Shasta County:

1. Reinforced concrete bridge across Battle Creek near Mantion (60 ft. long).

2. Reinforced concrete bridge across Cow Creek at Millville—also steel bridge with concrete floor at same location (240 ft. long).

3. Reinforced concrete bridge across Salt Creek (80 ft. long).

4. Reinforced concrete bridge across Whiskey Creek (28 ft. long).

The bridges across Salt Creek and Whiskey Creek, being on Division 2, Route B, Redding and Tower House lateral.

Plans and further information may be had from the County Clerk at Redding.

## STATE OF CALIFORNIA, DEPARTMENT OF ENGINEERING, CALIFORNIA HIGHWAY COMMISSION. NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on August 25, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, the portions of State highway as follows:

Lake County, between the westerly boundary and Lakelap (L-Lak-16-A), about 9.1 miles in length to be graded.  
Santa Barbara County, between Divide and Orcutt (V-S-B-2-A), about 5.6 miles in length to be paved with Portland cement concrete.

Ventura County, between the southerly boundary and Conejo Grade (VII-Ven-2-A & B), about 5.2 miles in length to be paved with Portland cement concrete.

Los Angeles County, between Lanker-shim Boulevard and South Sherman Way, (VII-L-A-2-A) about 5.2 miles in length, to be paved with Portland cement concrete and asphaltic surfacing.

Los Angeles County, between Russell Ranch and the westerly boundary (VII-L-A-2-C), about 1.3 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willets, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL T. PARKINSON,  
CHARLES A. WHITMORE,  
GEO. C. MANSFIELD,  
California Highway Commission.  
AUSTIN B. FLETCHER,  
Highway Engineer,  
WILSON R. ELLIS,  
Secretary.

Dated: July 28 1919.

### BRIDGE BIDS WANTED.

EUREKA, Humboldt Co., Cal.—Bids will be received by the County Supervisors, Fred M. Kay, County Clerk, up to August 12th, 2 p. m., for the construction of a wooden truss bridge over the North Fork of Mad River at Korbel in Road District No. 8.

### SCHOOL BIDS WANTED.

GREENFIELD, Monterey Co., Cal.—Bids will be received by the Trustees of the Greenfield School District, I. G. Giacomazzi, Clerk, Greenfield, up to August 15th, 8 P. M., for the building of a new grammar school building and for moving and repair grammar school building, according to plans and specifications prepared by H. B. Douglas, architect. Plans may be seen in the office of the Superintendent of Schools at Salinas, Cal.

SACRAMENTO, Cal.—Bids will be received up to August 18, 12 M., by Architects Woollett & Lamb, Physicians' Bldg., Sacramento, for the construction of a one-room school building in Jefferson School District. R. J. Clark is Clerk of the School Board.

**SCHOOL ADDITION BIDS WANTED.**

LOCAN SCHOOL DISTRICT, Fresno Co., Cal.—Bids will be received by Architects Glass & Butner, 427 Cory Bldg., Fresno, up to August 13th, 3 p. m., for the construction of an addition to the Locan School building.

Plans may be had from the architects. Trustees of the district are J. G. Howden, Philip Hergenroeder, Floyd H. Kellas.

**AIR PIPE BIDS WANTED.**

SAN FRANCISCO, Cal.—Bids have been ordered received by the Board of Public Works for furnishing and delivering 3990 feet of 24-inch diameter riveted steel air pipe for use in ventilating tunnels in the Mountain Division of the Hetch-Hetchy project. The estimated cost is \$9,000.

**COUNTY HIGHWAY BIDS WANTED**

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to August 18th, 11 A. M., for furnishing materials and construction of a road with a concrete base on Section No. 1 of Division No. 21 of the County Highway System which begins at the north end of Main street in the town of Bay Point and runs westerly a distance of 3123.25 feet. In accordance with plans and specifications prepared by R. R. Arnold, County Surveyor of Contra Costa County.

**BRANCH COUNTY JAIL BIDS WANTED.**

REDWOOD CITY, San Mateo Co., Cal.—Bids will be received by the County Supervisors, Elizabeth M. Nash, County Clerk, up to 10 A. M., August 11th, for the building complete of a Branch County Jail building in Half Moon Bay, San Mateo County, Calif.

The building will be erected upon Johnson street, corner of Kelly Ave.

**BRIDGE PLANS ORDERED.**

HANFORD, Kings Co., Cal.—The County Supervisors have instructed County Engineer Ben Duffield to prepare plans for a new bridge which will be constructed across the Kings River directly south of Kingsburg.

The bridge will be of concrete and will be about 500 feet in length.

**School Plumbing Work Planned.**

LINDEN, San Joaquin Co., Cal.—An election will be held in the Linden School District on the 13th day of August, 1919, at which will be submitted the question of voting a tax to install water plant, drinking fountains, plumbing, improving and maintaining buildings and grounds.

For this purpose it is necessary to raise \$1500.

Trustees of the District are: J. A. Drace, Myrtle M. Seymour and C. H. Miller.

**PLANS TO ERECT APARTMENT HOUSE.**

AVALON, Los Angeles Co., Cal.—A. C. Parsons, Hobart Bldg., San Francisco, contemplates erecting a four-story store and apartment building at Catalina Avenue.

**THEATRE CHAIR CONTRACT AWARDED.**

VALLEJO, Solano Co., Cal.—P. F. Haulon, owner of the proposed theatre building, now under construction in Virginia street, has let a contract to the Bedford Company of Vallejo for furnishing and installing 1494 circassian walnut, upholstered chairs on their bid of \$12,600.

**ROAD IMPROVEMENT BIDS WANTED.**

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the County Supervisors, Eugene D. Graham, County Clerk, up to August 20th, 10 A. M., for improvement work on that portion of Louie avenue adjoining the north boundary of Lodi between School and Church streets in Elkhorn Road District, in accordance with plans and specifications prepared by County Surveyor F. E. Qual.

PASADENA, Los Angeles Co., Cal.—S. B. Morris, Chief Engineer of the water department, has recommended that money be set aside from the general fund to construct the proposed distributing system for the San Rafael Heights District, estimated to cost \$100,000, in advance of collecting the assessments in the district. Provision must also be made for a booster pump and reservoir to cost \$16,000 to \$18,000. There has already been set aside \$15,000 for construction work in tunnels and \$25,000 for equipping and deepening the Woodbury and Franklin wells.

**STREET WORK PLANS ORDERED.**

RICHMOND, Contra Costa Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for the improvement of Garrard Boulevard between Ohio and Standard avenues.

A. C. Paris is City Clerk.

**ASSISTANT ENGINEER NAMED FOR SACRAMENTO FILTRATION WORK.**

SACRAMENTO, Cal.—The appointment of George N. Randle as Assistant Constructing Engineer during the construction of the filtration plant has been approved by the City Commission. Major Charles Gilman Hyde is the Chief Consulting Engineer. Commissioner John Q. Brown made the appointment of Randle, which was approved unanimously.

**PAVING BIDS WANTED.**

MERCED, Merced Co., Cal.—Bids will be received by the County Supervisors up to August 18th, 10 A. M., for the paving of streets and drives around the Merced County Court House.

**TO CONSTRUCT RAILROAD.**

SAN DIEGO, Cal.—City Hydraulic Engineer H. N. Savage has arranged with the San Diego & Arizona Railway Co. for a spur track to the Barrett dam site, and with the San Diego Consolidated Gas & Electric Co. for a transmission line. Two surveying parties are in the field.

**GARBAGE INCINERATOR PLANS SUBMITTED.**

NAPA, Napa Co., Cal.—At the last meeting of the City Council George E. Schneider of San Francisco submitted plans of a garbage incinerator with an estimation of about \$10,000 for installation. No action was taken.

**SCHOOL BONDS.**

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to August 18th 11 a. m., for the purchase of bonds in the sum of \$125,000. The proceeds of the sale will finance construction of the Alhambra High School.

**STORM SEWER AND FIRE APPARATUS BONDS DEFEATED.**

EL CERRITO, Contra Costa Co., Cal.—The election held recently to vote bonds of \$70,000 with which to finance construction of storm sewers, and purchase fire equipment failed to carry.

**STREET AND SEWER WORK PLANNED.**

RICHMOND, Contra Costa Co., Cal.—The Richmond City Council has passed resolutions of intentions providing for the following improvements:

To repave Barrett avenue between Garrard Boulevard and the easterly line of the right-of-way of the Southern Pacific Company.

To construct sewers in the East Richmond Boulevard, Tewksbury Heights and Richmond Traffic Center tracts.

To improve portions of Lowell avenue, Twenty-fourth and Twenty-sixth streets, and to construct lateral sewers in portions of Lowell avenue and Twenty-third street.

A. C. Paris is City Clerk.

**BIG DREDGING CONTRACT AWARDED.**

PORTLAND, Ore.—Mayor Baker, Commissioner Barbur and officials of the Pacific Bridge Company affixed their signatures to the \$309,000 contract recently awarded the dredging company for construction of the Columbia slough channel, the keystone unit of the Peninsula sewer project.

**HARDWARE, LUMBER, PAINTS, ETC., BIDS WANTED.**

OAKLAND, Cal.—Bids will be received by Dan W. Pratt, Secretary of the Oakland Board of Education, Room 1101 City Hall, up to August 4th, 4:30 P. M., for hardware, janitor supplies, waste baskets, flags, paints, oils, enamelware, crockery, dry goods and lumber.

**PAVING PLANS APPROVED.**

LODI, San Joaquin Co., Cal.—At the last meeting of the City Trustees plans and specifications for the paving of Walnut street from Hutchins street to Cherokee lane were adopted.

**HETCH-HETCHY MATERIAL PURCHASED.**

SAN FRANCISCO.—The Board of Public Works has accepted the bid of the Worthington Co., Inc., for furnishing and delivering to the Hetch-Hetchy project one pump for Big Creek Shaft on its bid of \$2,287.50.

The bid of the Allis-Chalmers Co. at \$1,702 for one Second Garrett Shaft has been accepted by the Board.

**Municipal Improvement Bonds.**

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—At their last meeting the City Trustees adopted an ordinance for the sale of the \$129,000 bond issue voted recently for a new city hall, improved fire alarm and sewer work. Carl Werner, Architect, Humboldt Bank Bldg., San Francisco, has been selected as architect for the City Hall.

**STANDARD OIL PLANS IMPROVED AT MARTINEZ.**

MARTINEZ, Contra Costa Co., Cal.—The Standard Oil Co., Bush and Sansome streets, San Francisco, has made application to the City Trustees asking the lease of a tract of land 200 by 200 feet on the waterfront. It is said that the company plans the construction of a plant costing between \$100,000 and \$150,000. Construction of the plant will be fireproof.

The former plant of the company at Martinez was destroyed by fire a few weeks ago.

**FISH HATCHERY FOR YOSEMITE VALLEY.**

A fish hatchery capable of handling between 1,000,000 and 1,500,000 fish per season and costing between \$10,000 and \$20,000 probably will be built at Happy Isles, on the floor of the Yosemite Valley, in the near future by the State Fish and Game Commission, according to Field Superintendent E. W. Hunt of the Commission, who has recently returned from that territory.

**FRESNO PLANS PARK REST ROOMS.**

FRESNO, Fresno Co., Cal.—Installation of two up-to-date rest rooms for men and women in the courthouse park, modeled along the lines of concrete structures of this character in Los Angeles, will be made here at an early date at a cost of \$12,000, according to Acting Chairman J. B. Johnson of the Board of Supervisors.

Plans for the structures will probably be ordered when the funds for construction are included in the budget of the county.

**LOS ANGELES TO GET \$750,000 INDUSTRY.**

LOS ANGELES, Cal.—One and three-quarters million dollars will be invested by the Southern California Iron and Steel Company in a new plant to be erected here, President A. C. Denman has announced.

Work on the plant will start immediately. It will comprise seven reinforced concrete and steel framed galvanized iron buildings. It will take a year to finish construction.

Largely increased business, extending over the entire coast, is given as the cause for the expansion plans.

**SCHOOL PLUMBING CONTRACTS AWARDED.**

CHICO, Butte Co., Cal.—The Chico Board of Education has awarded a contract to Louis Van Vlack for the construction of septic tanks at \$7,230, and plumbing work to the Nichols Hardware Co., at \$8,127, the work to be done at the Salem street, Chapman, Chico, Vencino, Nord avenue and Bidwell schools.

**FRESNO COUNTY FAIR GROUND IMPROVEMENTS.**

FRESNO, Fresno Co., Cal.—The Board of Directors of the Fresno County Fair, Walter C. Ficklin, Secretary, has ordered the immediate improvement of the entire grounds.

It is planned to construct a new entrance, increase the size of the present grand stand and bleachers and lay out a considerable amount of landscape work.

**SCHOOL HEATING AND VENTILATING SYSTEM BIDS WANTED.**

FIREBAUGH, Fresno Co., Cal.—Bids will be received by Architect Antone Johnson, Kingsburg, Fresno County, Calif., up to August 13th, 1:30 p. m., for the installation and completion of heating and ventilating system to be installed in the Firebaugh Grammar School building.

Thos. E. Brown is Clerk of the Firebaugh School District.

Plans and further information may be had from the architect at Kingsburg.

**PAVING BIDS TO BE CALLED SHORTLY.**

HANFORD, Kings Co., Cal.—Protests on the proposed paving of Seventh and Irwin streets, will be heard by the City Trustees on August 7, and bids will be called for about two weeks later. There will be about 1½ miles of paving 50-ft. wide, with 4-in. bituminous base and 1½-in. bitulithic top, and curbs. E. M. Lynch, Central Bldg., Los Angeles, and Ben Duffield, Hanford, are the engineers.

**ROAD BONDS.**

AUBURN, Placer Co., Cal.—The Placer County Board of Supervisors have called a good roads meeting of all citizens of the county, to be held at the courthouse on Tuesday, August 5th.

The matter of bonding the county in the interest of good roads will be discussed.

**LABOR TEMPLE PLANNED FOR SEATTLE.**

SEATTLE, Wash.—Union organizations of this city will vote on the selection of a site for the proposed \$1,000,000 labor temple building. Four sites are under consideration.

No architect has been selected.

**PAINTING AND PAPERING COURT HOUSE BIDS WANTED.**

SAN ANDREAS, Calaveras Co., Cal.—The County Supervisors, A. W. Poe, County Clerk, will receive bids up to August 18th, 1 P. M., for painting, papering and varnishing in and about the Court House, Hall of Records and County Building adjoining the Hall of Records on the south.

**PLANS FOR SEATTLE SCHOOLS UNDER WAY.**

SEATTLE, Wash.—School Architect F. A. Naramore, City Hall, is preparing preliminary sketches for the proposed new buildings and alterations to the present schools planned under the recently-voted \$1,500,000 bond issue.

Two new high school buildings, two intermediate schools and additions to the various present grade schools to eliminate the use of portables are included in the two-year building program contemplated by the School Board.

**BRIDGE PLANS NEARING COMPLETION.**

WOODLAND, Yolo Co., Cal.—County Surveyor A. G. Proctor is completing plans and specifications for the new Davis bridge connecting Yolo and Solano Counties and spanning Putah Creek, near Davis.

The bridge will cost upwards of \$10,000. The counties will share the expense equally.

**COUNTY HIGHWAY BIDS WANTED**

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, R. R. Arnold, County Surveyor, up to August 18th, 11 A. M., for building a concrete road on Section 1, Division No. 21, which said road commences at S. P. depot at Bay Point and runs westerly toward Martinez.

J. H. Wells is County Clerk.

**WATER RIGHT SOLD.**

The Sierra & San Francisco Power Company wants to sell to the Waterford Irrigation District of Stanislaus County what is known as the "La Grange Water Right" and has applied to the Railroad Commission for an order approving the deal. The price has been fixed at \$170,000.

According to the joint petition filed with the Commission the La Grange right gives its possessor the use of 66 cubic feet of water per second from the Tuolumne river at a point in Tuolumne county commonly known as Indian Bar. The Waterford district approximates 14,110 acres, with an assessed valuation of \$701,758.

The La Grange right, say the petitioners, is the first right upon the Tuolumne river. Under present conditions the Waterford district cannot use the river water until the demands of the Modesto and Turlock Irrigation districts, who hold the rights prior to the Waterford district, are satisfied. Its purchase will obviate the necessity of building reservoirs and give the Waterford district sufficient water for its purposes, particularly in the period between June 1 and July 15.

**COUNTY ROAD BONDS.**

CHICO, Butte Co., Cal.—A meeting of the county good roads committee will be called early in September to decide on the amount and extent of the new county highway bond issue, according to announcement made by W. B. Dean, chairman of the good roads committee.

According to Dean, the county can now be bonded for \$1,800,000 for good roads.

**BRIDGE BONDS.**

**SAN BERNARDINO, Cal.**—An election will be held to vote on issuing bonds for two new bridges, one over Lytle creek to cost about \$50,000, and one over Warm Creek to cost \$10,000. W. L. Brown, City Engineer.

**PLAN TO BUILD ROAD.**

**SPRINGVILLE, Tulare Co., Cal.**—A road from Springville to Camp Nelson, 16 miles north will be built jointly by the U. S. Forest Service, Tulare County, and the Southern California Edison Co., each contributing \$27,000 to the cost. The forest service desires to extend the road 20 miles farther to the Kern Lake district and the Edison Company will probably co-operate in the extension.

**PLAN IRRIGATION PROJECT.**

**MADERA, Madera Co., Cal.**—Petitions for the formation of an irrigation district in Madera County, to comprise 370,000 acres, will be circulated at once and will be presented to the County Supervisors in September. The project involves the construction of a dam in the San Joaquin River at Friant and a system of canals estimated to cost \$15,000,000. Louis Hill, of the firm of Quinton, Code & Hill, Hollingsworth Bldg., Los Angeles, is the consulting engineer. The territory to be irrigated extends from the foothills to the Chowchilla and San Joaquin Rivers.

**ROAD WORK PLANNED.**

**PLACERVILLE, El Dorado Co., Cal.**—An engineer from the Government Bureau of Good Roads has been instructed to make a preliminary survey of the proposed Marshall Boulevard and the Green Valley road.

Estimates of cost and recommendations as to the best type of road will be made.

**FIRE HOSE BIDS OPENED.**

**STOCKTON, San Joaquin Co., Cal.**—The following bids were received by the Stockton City Council for furnishing fire hose:

American Rubber Co., \$1.10, \$1.00 90 cents per foot.

Willard Hardware Co., \$1.30 per ft.

Both bids were taken under advisement.

G. W. Pulich is City Clerk.

**NAPA SUPERVISORS SELECT COUNTY ENGINEER.**

**NAPA, Napa Co., Cal.**—The Napa County Supervisors have selected E. P. Ball as County Engineer at a salary of \$250 per month. H. C. Sams will be associated with Ball, according to the plans of the Supervisors.

**STREET WORK PLANNED.**

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of 35th avenue between School street and Hopkins avenue, by grading, concrete curbing and guttering, and the laying of an oil macadam pavement.

**PAVING WORK PLANNED.**

**LODI, San Joaquin Co., Cal.**—Plans for the paving of East Oak street have been adopted by the Supervisors and bids will be called within the next few weeks.

**PAVING PLANS COMPLETE.**

**BERKELEY, Alameda Co., Cal.**—Plans and specifications for repaving Allston Way, along the University Grounds have been completed by the City Engineer.

**PAINTING SURVEY ORDERED FOR COURT HOUSE.**

**MARTINEZ, Contra Costa Co., Cal.**—The Supervisors have instructed the County Sheriff to prepare estimates for painting the county court house and present same at the meeting of the Board to be held August 4th.

**SANTA CRUZ COUNCIL PLANS STREET AND SEWER WORK.**

**SANTA CRUZ, Santa Cruz Co., Cal.**—At the last meeting of the City Council action on various improvements was taken as follows:

Petition was granted for the improvement of Center street from the depot grounds to Lincoln street.

Report was ordered on the construction of a new outlet sewer on Columbia street.

Commissioner Greenfield announced that the street department had under way a drainage system to take care of the water in the Lavaca park district, down Darwin street. He advised, however, that a portion of Seabright avenue have an 18 inch drain laid for some distance northerly from the present drain pipe.

Estimates on the cost of placing an 18 inch drain were ordered prepared.

Commissioner Greenfield was authorized to have the city engineer prepare plans and specifications for a drainage system to take care of water from the Lavaca park district down Darwin street.

The diagram of the assessment district for the improvement of Riverside avenue was approved.

The City Engineer was instructed to prepare plans and specifications for a concrete dam on the Branciforte Creek system.

**ROAD IMPROVEMENT BIDS WANTED.**

**STOCKTON, San Joaquin Co., Cal.**—Bids will be received by the County Supervisors, Eugene D. Graham, County Clerk, up to August 20th, 10 a. m., for improvement work on that portion of Louie avenue adjoining the north boundary of Lodi, between School street and Church street of said city of Lodi in Elkhorn Road District. Plans were prepared by County Engineer F. E. Quail.

**RECOMMENDS BOND ISSUE FOR IRRIGATION IMPROVEMENTS.**

**MODESTO, Stanislaus Co., Cal.**—Chief Engineer Percy Jones of the Modesto Irrigation District has recommended an additional issue of \$250,000 in bonds, \$125,000 for enlarging and lining the main canal from the secondary gates to Mill Gulch, 4,400 feet, and also from Coopers town road bridge to Morton fill, 1,700 feet, and a similar amount for drainage system extension. This will be in addition to \$182,700 for the Modesto District's share of the cost of the Don Pedro project, and \$192,000 for the power development and plant, auxiliary to the project. Modesto District's total cost of the Don Pedro dam enterprise is figured by Jones to be \$1,624,700.

**WHITE BROS. BULLETIN NO. 14.**

White Bros., of Fifth and Brannan Streets, have just issued their Bulletin No. 14 which covers in a very complete way the present hardwood situation and should be in every builder's hands. Send for a copy.

**HIGHWAY BRIDGE PLANNED.**

**MARYSVILLE, Yuba Co., Cal.**—The Supervisors of Nevada County have requested a joint meeting of the Supervisors of Nevada and Yuba Counties to take up the construction of a bridge over the Middle Yuba River at Freeman's Crossing, on the State Highway lateral.

It is understood that the Nevada County Supervisors favor allowing the State Highway Commission to build the bridge as part of the lateral and have the two counties share equally in the expense.

**SCHOOL BONDS.**

**MARTINEZ, Contra Costa Co., Cal.**—Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to August 18th, 11 A. M., for the purchase of the \$94,000 bond issue of the Antioch School District.

The proceeds of the sale will finance construction of school improvements.

**FRESNO, Fresno Co., Cal.**—Bids will be received by the Fresno County Supervisors, D. M. Barnwell, County Clerk, up to August 5th, 3 P. M., for the purchase of the \$10,000 bond issue of the Rosedale School District, and up to August 11th, 2 P. M., for the purchase of the \$20,000 issue of the Centerville School District.

The proceeds of each sale will finance construction of a new school for each district.

**REQUEST FOR HOSPITAL YARD WORK WITHDRAWN BY WORKS BOARD.**

**SAN FRANCISCO.**—The Board of Public Works has withdrawn its request of the Supervisors asking that an ordinance be adopted authorizing the calling of bids for the completion of the yard work at the southeast and northeast wing of the San Francisco Hospital, as the work is provided for by Ordinance No. 3079 and 3519 N. S.

**HIGHWAY BIDS OPENED.**

(By Special Wire.)

**MARTINEZ, Contra Costa Co., July 28, 1919.**—Bids were opened today for highway work as follows:

Bidders O'Brien Bros. (1); Blanchard, Crocker & Howell (2); A. J. Grier (3); R. B. Blanco (4); Bos & O'Brien (5).

For building a concrete highway on

Division No. 11, which highway begins at a point on the end of Division No. 6 at Bay Point and ends at a point 2 miles west of the town of Pittsburg and including the Main street of Bay Point, a distance of 6.84 miles.

Excavation (1) 70c; (2) \$1.25; overhaul (1) .02; (2) .02; concrete (1) \$13.75; (2) \$13.49; wire mesh (1) .01 8-10; (2) .02½; concrete culvert (1) \$26; (2) \$28.75; iron per pound (1) \$0.7 (2) \$0.5½ — (1) \$1.11; (2) .13½. Awarded to O'Brien Bros.

For the building of Division No. 12,



# JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock Doors, Sash Frames and Mouldings.

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member

Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BIRCH  
BIRMINGHAM RED CEDAR  
CITRUSWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPE  
KINGPIN MAPLE-PLAIN OAK  
QUARTERED OAK  
WYCKOCK BENDING OAK  
POPLAR-WALNUT



BIRCHWOOD-EBONY-IRONBARK  
JENSEN-KID-SWISS CEDAR  
LIGNUM-VITALIS-MAHOGANY  
MOSEWOOD-TEAK-RED BEAN  
SPOTTED GUM-OCEANIC WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYCKOCK VENEERED PANELS  
COWELS-TREXNAILS-VENEERS

## WHITE BROTHERS

111 TH and BRANNAN STREETS

SAN FRANCISCO, CAL.

beginning at a point 2 miles west of Pittsburg and running to the westerly corporate limits of the City of Pittsburg.

Excavation (1) \$.70; (2) \$.93; (3) \$1.00.

Overhaul (1) \$.01 8-10; (2) \$.00½; (3) \$.01½.

Concrete (1) \$13.94; (2) \$13.49; (3) \$14.

Wire mesh (1) \$.01 8-10; (2) \$.02½; (3) \$.02.

Awarded to Blanchard, Crocker & Howell.

For building Division No. 13, a concrete highway from the town of Brentwood along the S. P. tracks and present county road to the end of Division No. 3, west of Byron.

Concrete (1) \$10.35; (4) \$10.40; (5) \$11.40.

Wire mesh (1) \$.02; (4) \$.02½; (5) \$.05.

Grading (1) \$.70; (4) \$1.25; (5) \$1.95.

Overhaul (1) \$.02; (4) \$.03; (5) \$.03½.

### PLANS FOR TWO BRIDGES ORDERED PREPARED.

SACRAMENTO, Cal. — At the last meeting of the County Supervisors, the County Surveyor was directed to prepare preliminary plans for the Courtland and Freepport bridges, preparatory to submitting them to the War Department.

### Government Hospital For Tulare Proposed.

TULARE, Tulare Co., Cal.—Congressman H. E. Barbour has presented a bill asking for the construction of a Government hospital and sanitarium building in Tulare County for the wounded American soldiers. A building costing \$200,000 is asked.

### SIX COUNTIES JOIN IN TUBERCULOSIS HOSPITAL.

REDDING, Shasta Co., Cal.—By unanimous vote the Supervisors of Shasta, Modoc, Lassen, Trinity, Butte and Glenn Counties, in convention here, endorsed the plan for the erection of a joint tuberculosis sanitarium on lines similar to the sanitarium operated in Placer County by Sacramento and eleven other counties.

The site will be at some point within the eight counties and will be decided upon later. Further action will be taken at a meeting in Red Bluff on August 29. Several sites have been offered.

### CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave., dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 2735.

## PIERCE-BOSQUIT Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET

### HOW SHALL PROPER RECOGNITION OF THE ENGINEERING PROFESSION BE OBTAINED?

By W. W. K. Sparrow,  
Chief Engineer, C. M. & St. F. R. R.,  
Chicago, Ill.

National Director, A. A. E.

(Continued from Page 6)

organize the railroad section of the National Association in such a manner that it will serve as an incentive to other branches of the profession to do likewise.

Whether for good or for ill, the individualistic age is almost a thing of the past. We have in the last ten or fifteen years seen some great changes, but the changes in the next ten or fifteen years will, I think, be much greater. It is not so very long ago when a man could heat his horse or his child as much as he liked. Today he cannot, and as an illustration of the restriction that is being placed on the individual, he has not, or soon will not have, the privilege of abusing himself by drinking what he likes.

The movement of the day appears to be in the direction of organization by classes, and the engineering profession ought to be, and I trust is, alive to the movement. Therefore, let us invite the co-operation of all and use our influence in every direction to build up a National Association which will embrace all branches of the profession and have as its object not only the advancement of technical research, but the economic, social, and political welfare of the profession as a whole.—The Monad.

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

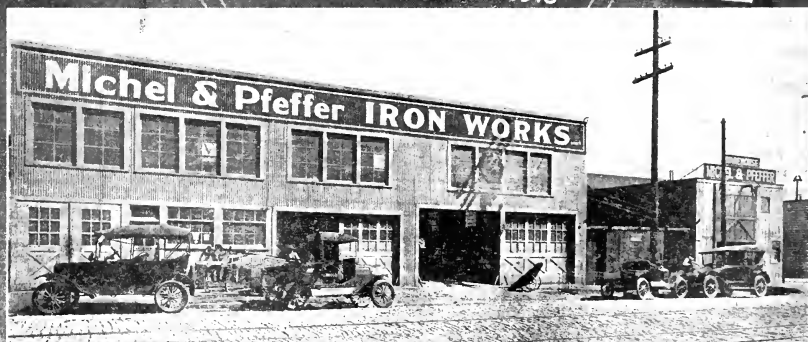
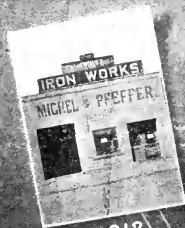
Fire Escapes  
Marquises  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.



# Building & Engineering News

Public Library  
Hayes & Franklin

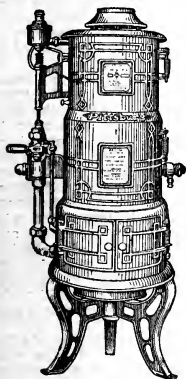
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., August 13, 1919

Published Every Wednesday  
Nineteenth Year, No. 33



## A BIG THING

New Model No. 65

"Pittsburg-  
Bungalow"

Automatic Water  
Heater.

Capacity three gallons  
per minute.

Just the size to fit the  
average two-story home  
or nice Bungalow.

A "Pittsburg" Automatic Gas  
Water Heater installed in the  
home indicates high quality  
throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

**The Most Powerful Made  
Safe and Economical**

Manufactured on a solid base and do not  
contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

**California Trojan Powder Company**

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

## Among the Architects

Architect Wm. C. Hays, 1st National Bank Bldg., is preparing preliminary sketches for a modern hospital building to be erected in Petaluma at a cost of \$75,000.

Architect W. H. Keeks, 75 Post St., has been selected to design plans for the proposed \$250,000 Marysville, Yuba County, school buildings. Bonds to finance construction are yet to be voted.

Cahill & Vensano, 110 Sutter street, have been awarded a contract by the Contra Costa Gas Co. for the erection of a one-story steel and concrete gas works to be erected in Pittsburg, Contra Costa County. The building will cost \$12,000.

Plans prepared by Architect B. G. McDougall, Sheldon Bldg., for the new Antioch City Hall have been accepted by the City Trustees and bids will be called in the immediate future.

Architect O. E. Evans, 2569 Mission street, is taking figures for alterations to a two-story frame building at Green and Fillmore streets. The work will cost about \$10,000 and will consist of altering the present structure into modern apartments.

Architect Evans is also taking figures for ten one-story frame bungalows to be erected for the Occidental Investment & Building Co. The buildings will cost from \$3000 to \$4000 each.

Architect T. M. Edwards, 833 Market street, is preparing plans for a two-story hollow tile residence to be erected near Valley Springs, Calaveras County. The building will cost \$40,000.

The same architect is also preparing plans for two two-story frame residences to be erected in San Mateo County, each to cost \$25,000.

Architect Edwards will shortly complete plans for a one and one-half-story frame residence to be erected for Mr. Thompson in San Mateo. This structure will cost \$10,000.

Architect Sam Lightner Hyman, Crocker Bldg., is preparing plans for additions to a building on Post street between Stockton and Grant avenue, for the Gump Art Store. The work is estimated to cost \$50,000.

Architect Jas. A. Magee, Phelan Bldg., is preparing plans for a two-story women's club house to be erected at Salinas, Monterey County, for the Women's Club of that city. The building will cost \$20,000.

Architect Lewis P. Hobart, Crocker Bldg., is preparing plans for a two-story frame residence to be erected in San Mateo Park, San Mateo County, for W. C. Dutton. The building will cost in the neighborhood of \$25,000.

Architect C. O. Clausen, Hearst Bldg., is preparing plans for a two-story and basement frame flat building to be erected at Twenty-ninth and Dolores streets. The building will contain four modern flats and will cost about \$11,000.

Architect August Headman, New Call Bldg., is taking figures for a three-story and basement frame apartment house to be erected for Benj. Schloss in the Park-Presidio District at a cost of \$45,000.

An election will be held in the Pleasant Hill School District, Contra Costa County, August 25th to vote on the question of issuing and selling bonds of \$12,000 with which to erect a new school building. S. L. Dukes, Grace A. Putnam and Theodore Hook are Trustees of the District.

Architect Benj. G. McDougall, Sheldon Bldg., has completed plans and bids are being received for the two-story and basement concrete town hall to be erected at Antioch. The building will be erected at Third and Fourth streets and will cost in the neighborhood of \$45,000.

Architect W. Falch, Hearst Bldg., has completed plans and bids are being received by the owner, St. George Holden, Crocker Bldg., for two residences to be erected in Merritt Terrace. Each building will cost \$10,000 and will contain eight rooms.

City Architect John Reid, Jr., First National Bank Bldg., will prepare plans for the proposed \$90,000 school building to be erected on Harrison street between Tenth and Eleventh streets. A request has been made of the Supervisors by the Board of Public Works to appropriate funds to finance the preparation of plans. The building will contain about twelve class rooms and auditorium.

Emerson Knight, Landscape Engineer, Monadnock Bldg., is preparing plans for residence gardens to cover approximately three acres on the estate of Chas. A. Gale, an attorney, at Pleasanton, Alameda County.

Architect Horace G. Simpson 110 Sutter street, has prepared preliminary studies for twenty workmen's cottages to be erected at Martinez for the Shell Oil Company.

Architect John H. Powers, 460 Montgomery street, has awarded a contract to Geo. W. Duxton & Son, Hearst Bldg., for the construction of the two-story frame and plaster residence to be erected for Oscar Hueter on Vallejo street near Baker. The contract price runs in the neighborhood of \$55,000.

From plans prepared by Architect Chester Cole, Chico, the following bids were received and taken under advisement for the construction of the Cordua, Butte County, school building:

W. R. Campbell, Sacramento, frame construction, \$12,400; concrete construction, \$13,350.

John O. Palm (address unknown), frame construction, \$10,993; no bid for concrete construction received.

W. R. Zumwalt of Willows has been awarded the contract for the Artois, Glenn County, School on his bid of \$29,875 for concrete construction. The only other bidder for the work was J. W. Halterman of Willows at \$29,8

997. Plans were prepared by Architect J. S. Gould of Colusa.

Architects J. E. Kraft & Sons, Phelan Bldg., is taking figures for reinforcing steel for the one-story reinforced concrete store building to be erected at 273 Minna street for D. O. Neill. The building will cost in the neighborhood of \$6,000.

September 4th is the date set by the Modesto City School District to decide the question of issuing bonds of \$185,000 with which to finance the purchase of school sites, erect additions to the present schools, and construct new buildings.

Members of the Modesto Board of Education are: C. R. Galfus, Ella M. Hazen; C. A. Hansen, Walter Johnson and J. W. Guyler.

## FROM WAR TO PEACE IN THE AUTOMOBILE INDUSTRY.

As a single industry the automobile trade did more than its bit to help win the war. Not only did manufacturers come up to specifications in quantity and quality of delivery, but they built better than it was thought they knew how. Proof of this was given the other day when, at an auction of old army cars in France, the French and the English bid higher prices for the cars than they cost the American Government new. An army of men was employed to run these trucks and cars on the firing line. They gained more experience in a month of that sort of work than they could have gained in a lifetime of peace work.

The rolling stock will be left abroad, but the men are coming back. They are being released daily from the military service, and are returning in large number to civilian life. There is no lack of work for them to do. For the fleet of American trucks now coming into use for additional transportation facilities all over the country need just such men—men who have learned how to act in any emergency, who feel almost immediately the idiosyncracies of every motor, who have acquired an efficiency under shell-fire that will make them leaders in their work in peace times.

Col. Arthur Woods, Assistant to the Secretary of War, who is in charge of the re-employment work for ex-service men, announces that a number of such men are now available for private employment. The automobile industry will not lose this opportunity of obtaining men who, to their pre-war ability, have added the exceptional training and experience of months on the firing line. These men will be in demand, and can be obtained through governmental and welfare employment agencies, who will put them in touch with employers who need their services.

## TO REPAIR SCHOOL AND SINK WELL.

CARUTHERS, Fresno Co., Cal.—The Trustees of the Caruthers School District have called an election to vote \$3,000 in bonds with which to finance construction of school repairs and sinking a well at the Blakewell school.

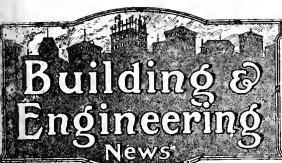
# Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$4.00 per year

San Francisco, Cal., August 13, 1919

Nineteenth Year, No. 33



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,  
Publisher and Proprietor.

Subscription Rates—One year, \$4.00 payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
660 Mission Street.  
Telephone—Douglas 2372.

## CITY HALL NEWS.

**SAN FRANCISCO.**—The Board of Public Works has requested the Supervisors to appropriate \$5,400 to finance the preparation of plans and specifications for a school building to be erected on Harrison street between Tenth and Eleventh Streets. The building will contain about twelve class rooms and will cost in the neighborhood of \$90,000.

Plans will be prepared by City Architect John Reid Jr., 1st National Bank Bldg.

Chas. W. Meehan, Superintendent of Public Buildings, has submitted to the Board of Public Works estimates of cost for a cafeteria department in the Girls High School. The estimates follow:

Furnishing and installing counters, shelves and tables, \$1,800.

Plumbing work, including connection of fixtures, \$250.

Painting, \$60. Total, \$2,110.

The following fixtures will be installed and are not included in the above estimates:

1 Detroit Jewell Range or equal (double oven).

1 2 Compartment Sink, 24x24x14" deep.

1 A-A Crescent dish washer.

1 Set of soiled and clean dish tables, galvanized iron, N. D. construction or equal.

1 Glass Counter for Candy.

1 Steam Table, 7 feet long by 30 inches wide with gas burners beneath M. D. Construction or equal.

78 feet of tray rail.

15 Brass nickel brackets.

1 Refrigerator, No. 1 Bohm syphon with water coil.

1 Drip pan with waste outlet for drinking water.

1 Fill-glass water cock.  
2 Aluminum pots and faucets for chocolate, 10 gallons each. Wear-ever aluminum.

Meehan also submitted estimates of cost for shelf work in the Law Library, City Hall, as follows:

Furnish and install 552 sq. ft. spruce shelves and standards, with oak facings, including varnishing, 2 coats, \$1,250.

800 sq. ft. of shelves in corridor and adjoining room, \$800. Total, \$2,050.

Within the next few days the Board of Public Works will request the Supervisors to appropriate \$4,724 for improvements to be made at Branch County Jails Nos. 2 and 3. Electric work, equipment and heating apparatus on this improvement will probably be done by the Repair Department of the City.

## AMENDMENTS TO THE COMPENSATION LAWS.

On July 22, 1919, the amendments to the Workmen's Compensation, Insurance and Safety Act, as adopted by the last California Legislature became effective. The Industrial Accident Commission has prepared a summary of these amendments. Approximately seventeen changes were made in the Act.

The waiting period was reduced from ten days to seven days. Compensation will be payable to the injured man on the eighth day after he leaves work as the result of an industrial injury.

When an employee under sixteen years of age is injured, it shall be the presumption that such injury was not caused by serious and wilful misconduct.

Serious and wilful misconduct cannot be charged against the injured employee by the employer if the injury is caused by the failure of the employer to comply with any provision of law or any safety order of the commission with reference to the safety of places of employment.

In claims of serious and wilful misconduct made against the employer, the general superintendent is made responsible for the corporation, as well as the executive or managing officer.

Non-resident aliens are required to prove their dependency and cannot be conclusively presumed to be dependent.

Applications for adjustment of controversies may be filed with the Industrial Accident Commission by the attorney or other representative of an injured employee, if authorized to do so in writing.

A lien against compensation will be permitted for the support of dependents, as well as for the living expenses for the employee.

Self-insurers shall not be required to pay any sums into the State Compensation Insurance Fund to cover liability for compensation, excepting in life pension cases.

It is a misdemeanor not to report forthwith a fatal industrial injury, by either telephone or telegraph, to the Industrial Accident Commission.

An injunction may be issued against an unsafe place of employment if it constitutes a serious menace to employees, provided that such application for an injunction come from the Industrial Accident Commission or a member of the Commission.

The Commission is authorized to tag dangerous machinery and the use of such machinery is prohibited until the tag is removed by an authorized representative of the Commission.

Chapter 183 creates a liability on the part of the employers or their insurance carriers, in addition to any liability heretofore fixed by law, in case of the death of an employee who leaves no dependents. Under such conditions it is required that a death benefit of \$350 be paid and the industrial Accident Commission is authorized to draw upon the fund created for the promotion of re-education and rehabilitation of persons disabled in industry in California. This new law was passed in response to a public demand that crippled men be aided in acquiring new occupations. It will reduce dependency and prove of material benefit to the citizens of the State.

## CALIFORNIA RAISIN ASSOCIATION PLANS BIG IMPROVEMENTS.

FRESNO, Fresno Co., Cal.—The California Associated Raisin Co., Fresno, will spend between \$500,000 and \$750,000 during the next year for building construction, including new buildings, additions and the installation of equipment notwithstanding the expenditure of \$350,000 for the same purpose during the past year.

This statement has been confirmed by F. A. Seymour, assistant to the president of the company, who further states that plans for a considerable amount of the construction are now being considered.

## SEWER WORK PLANNED.

WOODLAND, Yolo Co., Cal.—The City Trustees are considering the construction of sewers in the Oaks Addition. Definite action will probably be taken at the next meeting.

## BRIDGE FLOORING BIDS UNDER ADVISEMENT.

STOCKTON, San Joaquin Co., Cal.—The bid of N. B. White to construct a concrete floor for the bridge near Bellota at \$2,588 has been taken under advisement by the County Supervisors.

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

President—Dr. F. H. Newell, University of Illinois, Urbana, Ill.  
 First Vice-President—W. W. DeBerard, Western Editor Engineering News-Record, Chicago.  
 Second Vice-President—T. A. Evans, Structural Engineer, Meade-Morrison Co., Chicago.  
 Treasurer—John Ericson, City Engineer, Chicago.  
 Secretary—C. E. Drayer.

## Directors.

W. H. Finley, President, C. & N. W. Ry., Chicago, Ill. Past President.  
 W. W. K. Sparrow, Chief Engineer C. M. & St. P. Ry., Chicago.  
 P. E. Harroun, Consulting Engineer, San Francisco, Calif.  
 R. Burnham, Consulting Engineer, Chicago, Ill.  
 F. D. Richards, Bridge Engineer, City of Cleveland.  
 A. A. Matthews, Chief Engineer St. L. S. W. R. R., Tyler, Texas.  
 E. F. Collins, Valuation Engineer St. L.-S. F. Ry., St. Louis.  
 C. H. Crawford, Baldwin Locomotive Works, Philadelphia.  
 Harold Almert, Consulting Engineer, Chicago.  
 F. K. Bennett, Principle Assistant Engineer M. & St. L. Ry., Minneapolis.  
 J. H. Prior, Consulting Engineer, Chicago.  
 Alexander Potter, Civil Engineer, New York City.  
 J. N. Hatch, Consulting Engineer, Chicago.

## NATIONAL HEADQUARTERS

29 S. La Salle St.

Chicago, Ill.

### SACRAMENTO CHAPTER.

H. A. Lathrop .....Secretary  
 Chapter Office: 1331 33rd St.

### LOS ANGELES CHAPTER.

E. G. Sheibley .....President  
 A. L. Harris .....Secretary  
 E. Hardy Merrill .....Treasurer  
 Chapter Office:  
 Central Bldg., 6th and Main.

### FRESNO CHAPTER.

L. E. Smith .....President  
 John A. Dron .....Secretary  
 Chapter Office: 960 "S" St., Fresno.

### EUREKA CLUB.

F. W. Howard .....Secretary  
 Chapter Office: Eureka, Calif.

### SAN BERNARDINO CHAPTER.

M. A. Woods .....Secretary  
 Chapter Office: 608 Tenth St.

# American Association of Engineers

## EDITORIAL STAFF.

George M. Nelson.....Consulting Eng.  
E. D. Brown.....Redwood Mfrs. Co.  
J. H. Knowles.....Ch. Eng. W. P. Co.  
D. L. Reynolds.....Pac Fruit Express.  
C. D. Stone.....S. P. Co.  
A. B. Hartley.....S. P. Co.  
H. W. Schrieber.....Union Con. Co.

## MINUTES OF THE MEETING OF SAN FRANCISCO CHAPTER, AUGUST 7.

Meeting was called to order by Vice-President J. F. Johnston, in the unavoidable absence of President Knowles, promptly at 7:30. About fifty members were present and took a lively part in the animated discussion that followed the various points brought out during the evening.

Acting President Johnston called first for reports from the different standing committees.

Auditing committee reported having perfected a system of accounts, for the treasurer.

Political committee reported at length on the Townsend Highway Bill now before Congress, and a vote was taken in favor of this bill.

Qualification committee reported a falling off in applications during July as compared with the previous month.

Publicity committee reported that it had secured the use of four pages in every issue of the "Building and Engineering News" for the Chapter, and every member of the A. A. E. who wishes to make his voice heard therein; also that it had sent out a two page letter to every member in California, inviting their co-operation in making these four pages of the utmost benefit to the A. A. E.

Compensation committee reported that work had just been started.

Membership committee reported continued activity along the lines laid out in the campaign circular.

Inter-Chapter Adjustment committee outlined its work and explained adjustments made between Sacramento and San Francisco Chapters.

A communication was then read from National Headquarters, suggesting the adoption of a resolution favoring the proposed action by the National Executive Board making the initiation fee increase by fifty cents instead of two dollars, and thus make the fee \$9.50 by the first of January, 1920, and not \$38.00 as it will be under the present system.

The discussion that followed showed such a diversity of opinion on this subject that the matter was finally laid on the table for future consideration.

A letter was read from the Oregon Chapter secretary, giving some of this Chapter's activities.

National Director P. E. Harroun was present and read a letter from

National Secretary Drayer in answer to a request made by Mr. Harroun for action on the appointment of a western secretary. Action on this matter is now being held in abeyance pending the arrival of National President Newell.

Vice-President Johnston reported that in compliance with telegraphic request from National Headquarters, a committee had been appointed to make arrangements for a general meeting for engineers with Mr. Newell, who will be here on the 27th of August. The personnel of the committee is as follows: Wollner, Phelps, Johnston, Howland, Kessing. Detailed program will be announced later.

The By-Laws committee then read the set of By-Laws and Constitution for the Chapter, and the animated discussion that followed the reading of almost every section showed that the members took a keen and intelligent interest in the work on hand.

## SACRAMENTO CHAPTER ORGANIZES.

W. S. Caruthers was elected President of the Sacramento Chapter of the American Association of Engineers at a meeting held recently. R. E. Dodge and Raymond Walsh were appointed delegates to a State convention, at which it is planned to organize a State Council of Engineers.

The other officers chosen for the Sacramento Chapter are: F. B. Gillette, First Vice-President; Raymond Walsh, Second Vice-President; G. H. P. Lichthardt, Third Vice-President, and H. A. Lathrop, Secretary and Treasurer.

The local chapter was formed recently and has grown to a membership of nearly 100.

## TECHNICAL MEN ORGANIZE.

On July 8th in San Francisco, Cal., the technical men employed by the S. P. R. R., meeting as professional men, organized a section of the American Association of Engineers, electing Mr. H. I. Benjamin, President; Mr. Lewis E. Johnson, Secretary, and Mr. Ward H. Rupp, Treasurer. An active membership campaign has been carried out with the result that in less time than a month 95% of the technical men employed by the Southern Pacific Railroad have either actually joined, or have given their affiliation blanks to this organization. That there is a great need for such an organization has been fully demonstrated by the great number of inquiries that have now reached the organization's headquarters.

Letters are now on their way to Chicago for the initial opening of this organization's campaign for the betterment of the Engineer's standing

in the communities where they conduct their activities, and it is only by unified and direct action that the body of men represented expect to bring themselves to a position where they will command the respect of other professional men, who have been organized in like institutions for many years.

The American Association of Engineers seems to give to the Engineering profession something that other Engineering societies have failed to bring out. Namely, the economic welfare of its members, which is of the greatest importance to us in this day, when costs of everything are mounting to the heights that are reached only by the more fortunate, and surely the Engineer now is not among the fortunate. Comparing his earnings with those of the trades and of labor, that the Engineer directs, so far as remuneration is concerned, it is better to occupy any place in the organization that has not the responsibilities the man, or rather, the Civil Engineer has, who directs the work. The term "Engineer" is used and embraces all classes of Engineering.

To technical men who have not given their thought to an organization a few well directed inquiries are made as to why, but usually there is only one response, "I'll think it over." Thinking too long without action is not going to bear the fruit that this organization hopes to produce, and, with the best talent in the United States backing an organization, the American Association of Engineers ought to prosper and succeed. We of the S. P. R. R. Sec., are trying to make it our business that success is the ultimate goal.

Inquiries will be received and given attention and action will result for any such inquiries when directed to the Secretary at 1035 S. P. Bldg., 65 Market St., San Francisco, Calif.

## STATE CORPORATION DEPARTMENT.

SACRAMENTO, July. 22.—Three Amendments to the Corporate Securities Act, passed by the last session of the Legislature, and approved by Governor Stephens are now in effect. They make important changes in the law, among which are provisions eliminating overlapping between the State Corporation Department and the State Railroad Commission and State Banking Department.

Heretofore control of the issuing of securities by interurban motorbus companies was duplicated, because both the Corporation Department and the Railroad Commission has to authorize the sales and issue. A few words in the act, so that hereafter these companies will require only the

permission of the Railroad Commission before issuing securities. The words dropped from the old act are: "and to the Public Utilities Act."

Another amendment relieves California banking corporations from the necessity of making application to the Corporation Department for permission to sell and issue securities. Heretofore all California banking companies, organized since the effective date of the Corporate Securities Act, were obliged to apply to the Commissioner of Corporations for authority to issue share of their capital stock.

This was necessary because they could not engage in banking before selling or issuing stock. After they entered the business of banking such corporations were released from the supervision of the Corporation Department, and, thereafter were under control of the Superintendent of Banks.

The third amendment, which relates to trustees, supplies certain words inadvertently omitted when the act of 1917 was passed. These words definitely designate the kind of trustees exempt from the provisions of the act. They remove any doubt concerning the meaning of the section.

Hereafter trustees, representing foreign corporations cannot enter California with shares of stock and dispose of them in competition with legitimate California stock, without supervision from the Corporation Department.

Commissioner of Corporations E. C. Bellows proposed this amendment for the purpose of giving more protection to California corporations and California investors by making it impossible for foreign corporations of the wild cat species to come into the state and take the money which should go into legitimate business and for the development of legitimate enterprises.

The Corporation Department has printed copies of the Corporate Securities Act as amended, and these will be delivered upon request to those desiring them.

## YOUR JOB.

By Henry Ford.

There are men who get themselves ahead regardless of whether their job goes ahead or not—self-boosters; but these men are soon looking for other things.

There are men who get way ahead of their jobs, in which case they must be given more and greater opportunities to progress.

But the man who goes ahead with the job and on the job and by reason of the job, is the man who makes the most substantial progress.

This may sound very much like some of the advice that was given us when we were young, but there is one quality about most of the advice we got then which we ought not to overlook—it was good and true; and much of it is just as true today as it was then.

The job is the barometer of the man. No matter what it is, you can always tell how much of industry, judgment and carefulness a man brings to his work by watching how

he does what he is doing.

Just now there are more menial jobs than there will be in the future; and as long as there are menial jobs, someone will have to do them; but there is no reason why a man should be penalized because his job is "menial."

There is one thing that can be said about "menial" jobs that cannot be said about a great many so-called more responsible jobs, and that is, they are useful and they are respectable and they are honest.

Did you ever see dishonest callouses on a man's hand? Hardly. When men's hands are calloused and women's hands are worn, you may be sure that Honesty is there. And that's more than you can say about many soft, white hands!

But even so the time is coming when the hand will not be subjected to so much hard work as falls to it today. Steel fingers and arms will do many things that fleshly fingers and arms now do, and a part of at least the physical burden will be lifted off our race.

It is very natural for a man who is alive in his mind and vigorous in his ambition to desire a job that is fit for him. But does he ever stop to think of this? What is to hinder any job being made fit for any man?

There is not so much difference between men as we sometimes think. We like to classify men by races or intelligence or business success, and intelligence or business success, and are "superior" and "inferior" people.

But any man who knows his own heart and his fellow men, knows there is scarcely any fundamental difference between human beings. There is more real difference between two breeds of dogs than there is between the most highly cultivated man in the world and the most unfortunate mortal. Our likeness to one another is astonishing. It ought to keep us more balanced in our judgments of our fellow men.

People classify men according to false standards, and are quite satisfied to do so—why? Because by this means they can always contrive to make themselves appear "superior" to someone. No matter how many people may be superior to them, if they can only be superior to men inferior still, that fully satisfies those who hanker after human gradations.

One of the reasons the man who is engaged in hand-work wants some other kind of work is this: he fancies that somehow hand-work is a little lower than head-work. Well, that formerly was the theory. But it isn't so any longer. Thank heaven! the hand-worker can at last come into his own, and even measured by the financial rewards he is on a higher plane than many so-called "head workers." Many a man wears a white collar who isn't earning what a grimy hander is paid today.

But perhaps there is another and deeper reason why men sometimes grow discontented and seek a change; they want a career, and the job they have may not seem to promise a career. Again the question comes: Have you ever studied your own job from the standpoint of making it a worthy life career?

You know, if these things are to be

done, somebody must do them. If we simply desert our jobs, leaving them to whomsoever happens along, we are not making the world much better for our fellow men. If the man who follows you on the job is going to be up against the same conditions that you were, the world has not moved forward one step so far as that particular job is concerned.

Then, if someone is destined to do these things, why not you. Who knows the job better than you do? It is quite possible that men do not always find their career in the first job they get, nor always in the second. But this much is true: Every job is destined to become in some sense some man's career, and if that is true it ought to be so adjusted as to make a worthy career for him. Every time a job is improved, it breeds more of them, and by its influence makes better the jobs around it.—Lefax.

## POST-WAR DEMANDS FOR FUNDS BIG.

California industries are now distributing their products in the world markets. The State and its business enterprises no longer have a provincial outlook. The world is their customer. Prices are high; production and distribution costs are big.

Big machinery and greater financial resources are now required in the conduct of business.

Result—much new financing on the horizon.

"Manufacturers, both large and small and developers of land and irrigation projects arrive at a period in their business life when they are not able to secure funds in sufficient amounts for the necessary length of time to finance their growing businesses," said T. C. Tognazzini, Vice-President of the Anglo-California Trust Company, today. "The Anglo-California Trust Company is endeavoring to be of real service to many industries and individuals in this community. Our plan of safe keeping Liberty bonds for the public; free of charge, has been a distinct service to the individual, and now our officers have decided to offer a financing service to manufacturers and developers of worthy enterprises. In a few words, the service is just this—we will buy outright the entire bond issues of successful going concerns.

"The security of the bond issues will be closely examined by our officers and will be based upon the value of the real estate and earning power of the business. This is a conservative method of financing that will appeal to progressive business men.

"To indicate how the plan will work, let us cite the case of a successful San Francisco corporation that has made a splendid record of growth and industry. The business has outgrown its present factory and the corporation wishes to enlarge.

"If the real estate assets, earning power and future possibilities of the business warrant a bond issue, we will finance the concern for the necessary amount, handling all of the details of the transaction, giving it the benefit of our business experience so that the transition period can be bridged safely and sanely."—S. F. Call.



# San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co. ....	THIRD VICE-PRESIDENT

## EXECUTIVE COMMITTEE

J. H. Knowles .....	W. P. R. R.
L. D. Howland .....	C. C. Moore Co.
J. F. Johnston .....	Union Const. Co.
I. G. Grundel .....	Union Oil Co.

## QUALIFICATION COMMITTEE

W. H. Phelps .....	S. P. Co.
O. R. West .....	A. T. & S. F. R. R.

## AUDITING COMMITTEE

T. H. Brown .....	S. P. R. R.
E. B. Crane .....	C. M. & P. S. Ry.
P. J. Rowell .....	I. C. C.

## POLITICAL COMMITTEE

E. H. Herbert .....	Oliver Mfg. Co.
---------------------	-----------------

## FELLOWSHIP COMMITTEE

W. H. Rupp .....	S. P. R. R.
------------------	-------------

## PUBLICITY COMMITTEE

E. D. Brown .....	Redwood Mfgs Co.
G. M. Nelson .....	Consulting Engineer

## EMPLOYMENT REPRESENTATIVE.

F. J. Amweg .....	Consulting Engineer.
-------------------	----------------------

## COMPENSATION COMMITTEE.

G. M. Nelson .....	Consulting Engineer
E. V. Vandercook .....	S. P. R. R.
W. T. Cleland .....	Chief Dep. Surveyor Santa Clara Co.
V. D. Cousins .....	P. T. & T. Co.

## INTER-CHAPTER ADJUSTMENT COMMITTEE.

A. G. Mott .....	S. P. Co.
O. R. West .....	A. T. & S. F. Co.
W. S. Wollner .....	N. W. P. Co.

## MEMBERSHIP COMMITTEE.

D. L. Reynolds .....	Pacific Fruit Ex. Co.
F. J. Amweg .....	Consulting Engineer
W. H. Rupp .....	Southern Pacific R. R.
E. D. Brown .....	Redwood Mfrs. Co.
Clarence D. Stone .....	S. P. Co.
A. B. Hartley .....	S. P. Co.
H. W. Shrieber .....	City of Oakland
F. E. Geibel .....	S. P. Co.
C. B. Newbury .....	Interstate Com. Com.
J. F. Johnston .....	Union Const. Co.
E. V. Vandercook .....	S. P. Co.

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.  
Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

*San Francisco Chapter Office, 700 Marston Bldg.*

A. G. Mott, Secretary

244 Kearny St., S. F.

# ADVANCE NEWS

## Official Proposals, Etc.

Plans Being Prepared. Cost, \$75,000

HOSPITAL  
PETALUMA, Cal.  
Hospital building.  
Owner—City of Petaluma.  
Architect—W. C. Hays, 1st National Bank Bldg., San Francisco.

Plans are maturing for a new hospital building to replace the old building. Tentative sketches embracing three schemes have been submitted by Architect Hays.

Contract Awarded.  
GAS WORKS Cost, \$12,000  
PITTSBURG, Contra Costa Co., Cal.  
One-story concrete and steel gas works.

Owner—The Contra Costa Gas Co., Pittsburg, Cal.  
Designer—L. B. Jones, Care Contractors, 110 Sutter St., San Francisco  
Contractor—Cahill & Vensano, 110 Sutter St., San Francisco.

Contract Awarded.  
OFFICE AND STORE BUILDING  
Cost, \$1,000,000.  
HONOLULU, H. I.

Four-story reinforced concrete office and store building covering entire block.

Owner—C. O. H. Davies & Co., Ltd., Honolulu.  
Architect—Louis Mulgardt, Chronicle Bldg., San Francisco.  
Contractor—Pacifi-Constr. Co. of Honolulu.

Plans Being Prepared.  
HALL. Cost, \$6,000  
SMITH RIVER, Del Norte Co., Calif.  
One-story frame (80x116) community center hall building.

Owner—Residents of Town. (Funds raised by popular subscription).  
Architect—Newton Ackerman, Eureka, Calif.

Plans Nearing Completion.  
GYMNASIUM & AUDITORIUM.  
Cost, —

FORTUNA, Humboldt Co., Cal.  
Gymnasium and auditorium building, 140x70. Auditorium portion of building will be 90x60, with seating capacity of 900.

Owner—Fortuna School District.  
Architect—Frank T. Georgeson, Eureka, Calif.

Plans provide for steam heat, hot water system, locker rooms, showers, etc.

Bids to be Called Shortly.  
SCHOOL, ETC. Cost, \$125,000  
YUMA, Arizona.

Two-story and basement brick school, 16 class rooms, domestic science and manual training departments, auditorium with seating capacity of 700.

Owner—Yuma School District.  
Architects—Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles and V. O. Wallingford, Associate, Phoenix, Arizona.

Plans Being Figured. Cost, \$9,000

RESIDENCE  
SARATOGA, Santa Clara Co., Cal.  
One-story frame residence.  
Owner—O. K. Cushing.  
Architect—W. C. Hays, 1st National Bank Bldg., San Francisco.

Contract Awarded.  
ALTERATIONS Cost, \$—  
BERKELEY, Alameda Co., Cal.

Alter residence.  
Owner—Benj. I. Wheeler.  
Architect—W. C. Hays, 1st National Bank Bldg., San Francisco.  
Contractor—Robt. Trost, 26th and Howard Sts., San Francisco.

Contract Awarded.  
APARTMENTS Cost, \$15,000  
SACRAMENTO, Cal. Nos. 1812-14 O Street.

Three-story frame apartments (7 3-room apts).

Owner—J. S. Joquith.  
Architect—Not Given.  
Contractor—C. E. Harvie, 2212 T St., Sacramento.

Plans Being Prepared.  
RESIDENCE Cost, \$25,000  
SAN MATEO, San Mateo Co., Cal. San Mateo Park.

Two-story frame residence.  
Owner—W. C. Dutton.  
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

CLUB HOUSE Cost, \$50,000  
SEATTLE, Wash. Montlake Park.  
Two-story frame and plaster club house.

Owner—Seattle Yacht Club.  
Architect—John Graham, L. C. Smith Bldg., Seattle, Wash.  
Contractors—Syllaasen & Sando, Downs Block, Seattle, Wash.

Plans Completed.  
GYMNASIUM, ETC. Cost, \$22,000  
ASTORIA, Ore.

One-story concrete gymnasium and drill hall, 120x50.  
Owner—Astoria High School District.  
Architect—J. E. Wicks, Astoria, Ore.

Preliminary Plans Prepared.  
ADDITION Cost, \$—  
LOS ANGELES, Cal. 8th and Broadway.

Four-story addition (steel frame and reinforced concrete department store)  
Owner—A. Hamburger & Sons.  
Architect—Albert C. Martin, Higgins Bldg., Los Angeles.

Contract Awarded.  
CLASS "A" OFFICES Cost, \$250,000  
PHOENIX, Arizona.

Four-story Class "A" office building, 70x148 (68 offices).  
Owner—Dwight B. Heard et al.  
Architect—L. A. Parker, Pacific Electric Bldg., Los Angeles.  
Contractor—J. W. Martin, Phoenix.

Contract Awarded. Cost, \$19,162

RESIDENCES  
LOS ANGELES, Cal. Carlos Avenue and Gower Street.  
Two two-story frame and plaster double residences (12 rooms).  
Owner—William H. Hubbard.  
Architect—Arthur S. Heineman, San Fernando Bldg., Los Angeles.  
Contractor—The De Luxe Bldg. Co., Union League Bldg., Los Angeles

Preliminary Plans Prepared.  
CLASS "A" STORES AND OFFICES  
Cost, \$2,500,000.

LOS ANGELES, Cal. Sixth and Grand Avenue.  
Twelve-story Class "A" store and office building, 218x170.  
Owner—Pacific Mutual Life Insurance Company.  
Architect—W. J. Dodd and Engineer Wm. Richards, Brack-Shops Bldg Los Angeles.

Figures for Reinforcing Steel Being Taken.

STORE Cost, \$6,000  
SAN FRANCISCO. No. 273 Minna Street.

One-story reinforced concrete store.  
Owner—D. O. Neill.  
Architects—J. E. Kraft & Son, Phelan Bldg., San Francisco.  
Lot is now being graded.

Bids in and Under Advisement.  
BUNGALOW Cost, \$6,000  
CORINTHIAN ISLANDS near Belvedere, Marin Co., Cal.

One-story frame single bungalow.  
Owner—David Donzel.  
Architects—Julius Kraft & Son, Phelan Bldg., San Francisco.  
O. C. Holt, 110 Jessie St., San Francisco, low man.

OFFICE BLDG. Cost, \$130,000  
Contract Awarded. To be Done by Days Work.

OAKLAND, Cal. Sixteenth Street, bet. San Pablo and Telegraph Aves.  
Four-story reinforced concrete office building.

Owner—East Bay Water Co., 9th and Broadway, Oakland.  
Architect—Wm. Knowles, Hearst Bldg., San Francisco.

Plans Being Prepared.  
WAREHOUSE, ETC. Cost, \$750,000  
SACRAMENTO, Cal.

Two and three-story warehouse and factory building.  
Owner—California Packing Corp., 101 California St., San Francisco.  
Engineer—Phillip L. Bush, 101 California St., San Francisco.  
Work expected to start in 60 days.

Preliminary Studies Being Made.  
COTTAGES Cost, \$—

MARTINEZ, Contra Costa Co., Cal. 20 workmen's cottages.  
Owner—Shell Oil Co.  
Architect—Horace G. Simpson, French Bank Bldg., 110 Sutter St., San Francisco.

Contract Awarded.  
RESIDENCE Cost, \$55,000  
SAN FRANCISCO. Vallejo Street  
near Baker Street.  
Two-story frame and plaster residence and garage.  
Owner—Oscar Hueter.  
Architect—John H. Powers, 460 Montgomery St., San Francisco.  
Contractor—Geo. W. Boxton & Son, Hearst Bldg., San Francisco.  
(26943) 1st report May 22, 1919. R  
Last June the grading and foundation work was let to J. Pasqualetti. Contracts for plumbing, heating, wiring, etc., not yet let.

STERILIZING PLANT Cost, \$35,000  
MODESTO, Stanislaus Co., Cal. North part of City.  
Two-story reinforced concrete with steel frame sterilizing plant, 75x90. Plans provide for installation of tanks, etc.  
Owner—Borden Condensed Milk Co., C. D. Van Derson, Superintendent, Modesto, Calif.  
Architect—J. Mazurette, Modesto, Cal.

Plans Complete. Funds to be Raised by Direct Tax.  
SCHOOL Cost, \$6,000  
ORICK, Humboldt Co., Cal.  
Frame school building.  
Owner—Orick School District.  
Architect—Not Given.  
Plans are now in the hands of the County Superintendent of Schools.

Contract Awarded.  
ARMORY Cost, \$36,161  
MARSHFIELD, Ore.  
One story (150x200) fireproof armory.  
Owner—State of Oregon.  
Architect—Claussen & Claussen, Portland, Ore.  
Contractor—Hibander & Corey, Marshfield, Ore.

Contract Awarded.  
SCHOOL Cost, \$22,430  
MENDOTA, Fresno Co., Cal.  
One-story frame and plaster school (3 rooms; tile roof).  
Owner—Mendota School District.  
Architect—Ernest J. Kump, Fresno.  
Contractor—James L. Daly, Fresno.

Plans Being Figured. Bids Close Aug. 15th, 1919.  
GYMNASIUM Cost, \$—  
HANFORD, Kings Co., Cal.  
High school gymnasium.  
Owner—Kings County High School District.  
Architect—Ernest J. Kump, Fresno.  
Plans may be had from the office of the Architect.

W. H. Weeks to Submit Sketches For Santa Rosa Schools.  
SANTA ROSA, Sonoma Co., Cal.—A meeting has been called by the School Trustees to discuss the proposed two school buildings which it is planned to erect in the near future.  
Architect—W. H. Weeks, 75 Post St., San Francisco, will submit sketches for the buildings.

WOODLAND, Yolo Co., Cal.—The Clark & Henery Constr. Co., has been awarded the contract for the paving of South First street, from plans prepared by City Engineer Asa Proctor on his bid of 16.7 cents per square foot.

## SUB-CONTRACTS LET FOR STANDARD OIL BUILDING AT RICHMOND.

RICHMOND, Contra Costa Co., Cal.—The following sub-contracts have been awarded by the Standard Oil Co. in connection with the new laboratory building now under construction:  
Ne Page-McKinney Co., \$3858 for electrical work.  
James T. Ludlow, \$5425, for refrigerating plant.  
Mangrum & Otter, \$18,429, floor and wall tile.  
California Artistic Metal & Wire Co., \$5979, exterior and interior ornamental iron and bronze work.  
Joseph Musto Sons-Keenan Co., \$8770, interior marble and terrazzo work.  
Herman Bosch, \$3950, plain and ornamental plastering.

## SCHOOL BIDS OPENED.

GRANGEVILLE, Kings Co., Cal.—James L. Daly of Fresno submitted the lowest bid for the construction of the Grangeville school building at \$34,158 for brick construction, and will probably be awarded the contract. Plans were prepared by Architect Ernest J. Kump of Fresno.

## SCHOOL BONDS SOLD.

HILMAR, Merced Co., Cal.—The County Supervisors have sold the \$12,000 bond issue of the Hilmar School District. Proceeds of the sale will finance construction of a new school building.

## SCHOOL BONDS CARRY.

NICOLAUS, Sutter Co., Cal.—Bonds of \$8,000 to finance construction of a new school building have been voted in the Nicolaus School District.

## YREKA DISTRICT TO HOLD BOND ELECTION.

YREKA, Siskiyou Co., Cal.—The election recently held, and at which time bonds in the amount of \$38,000 were voted for financing the construction of a new school building, has been declared illegal. An election has now been called to vote on the same question.

Plans for the building have already been prepared by Architect Henry C. Smith, Humboldt Bank Bldg., San Francisco.

## TULARE COUNTY TO ERECT HALL OF RECORDS.

VISALIA, Tulare Co., Cal.—The Board of Supervisors of Tulare County has taken an option on property adjoining the Masonic Temple as a site for the proposed hall of records building. The present courthouse is inadequate, making it necessary to maintain county offices in private buildings.

## Y. M. C. A. BUILDING FOR SOUTH SAN FRANCISCO PLANNED.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—A \$100,000 Y. M. C. A. building is planned for South San Francisco. L. L. Pierce, General Secretary of the Metropolitan Association of the Y. M. C. A., has been in this city urging business men to back the proposed scheme. A committee to investigate cost, etc., has been appointed and is composed of the following: Chairman, F. S. Dooley; P. R.

Thompson, of the Pacific Coast Steel Co.; A. Hynding, of the Western Meat Co.; and E. C. Peck, of the South San Francisco Land Co.

## SCHOOL BONDS SOLD.

FRESNO, Fresno Co., Cal.—The Fresno County Supervisors have sold the \$20,500 bond issue of the Mendota School District and work on the building, to be financed through the sale of the bonds, will be started in the near future.

No bids were received by the Board for the \$10,000 bond issue of the Rosedale School District. These will probably be purchased by the County Treasurer.

## BRIDGE APPROACH SURVEY COMPLETE.

YUBA CITY, Sutter Co., Cal.—County Surveyor Edward Von Geldern has completed the survey of the Feather River bridge approach and will present his report to the Supervisors at the next meeting, regarding costs, etc.  
(28579) 1st report July 12, 1919. E

## ROAD BIDS REJECTED.

YREKA, Siskiyou Co., Cal.—The County Supervisors have rejected the bid of L. W. Cousins of Yreka for the construction of a change in the Seiad road and for fencing same. The bid was \$4,200 and was considered excessive. W. J. Neilson is County Clerk.

## Contract Awarded For School Repairs

GRASS VALLEY, Nevada Co., Cal.—The contract for the repairs and shingling of the Columbus School building has been awarded by the City Board of Education to C. E. Wilson of Grass Valley on his bid of \$974, this being the only bid received.

## HOSPITAL OIL BURNING SYSTEM AWARDED.

SACRAMENTO, Cal.—The bid of the Mathews Construction Co., Sacramento, has been accepted for the installation of an oil burning equipment in the joint tubercular hospital to be erected at Weimer, Placer County. The bid was \$15,750.

## ARTOIS SCHOOL CONTRACT AWARDED.

ARTOIS, Glenn Co., Cal.—The contract for the construction of the Artois School building has been awarded to W. R. Zumwalt of Willows at \$29,859 for concrete construction. The only other bidder was J. W. Halterman of Willows at \$29,997.  
The building will be one-story in height. Plans were prepared by Architect J. S. Gould of Colusa.

## SWIMMING POOL BONDS.

VISALIA, Tulare Co., Cal.—Preparations are being made here to call an election to vote bonds with which to finance construction of a municipal swimming pool.  
The matter will be discussed at the next meeting of the City Trustees.

## GOLDEN GATE IRON WORKS SECURE LARGE CONTRACT.

The Golden Gate Iron Works were awarded the contract for the structural steel for the Rosenberg job on Geary and Taylor Streets at \$27,500. Joseph Cahen, Architect.

## BERKELEY COUNCIL WANTS STREET MACHINERY BIDS.

BERKELEY, Alameda Co., Cal.—Bids will be received by City Clerk A. G. Briggs up to August 15th, 10 A. M., for furnishing a giant road and street planer for the Street Department. Copies of specifications may be obtained from the office of the City Clerk, City Hall, Berkeley.

Each bid must be accompanied by a certified check in a sum not less than

## ARTOIS SCHOOL BIDS OVER ESTIMATE.

ARTOIS, Glenn Co., Cal.—Bids received by the Trustees of the Artois school District are \$3,000 over the amount on hand for construction. Three bids were submitted as follows:

W. R. Zumwalt, \$28,944; J. W. Halterman, \$28,977, and A. Lynch, \$28,997. There was a difference of only \$53 in the bids of Zumwalt and Halterman, while the bid of Lynch was not considered, as it was late in reaching the board.

It is planned by the School Board to omit certain work so as to bring the cost within the amount available for construction.

## BONDS FOR FIRE EQUIPMENT.

SAN LEANDRO, Alameda Co., Cal.—Fire Chief Budd Ebner has recommended to the City Board of Trustees that an election be called to vote bonds in the sum of \$25,000 with which to improve the fire fighting facilities of the city. The installation of a modern fire alarm system, costing about \$15,000 and the purchase of a Seagrave pressure pump, chemical tank and hose truck is planned. The latter will cost about \$10,000 fully equipped. of Trustees.

## BOARD OF PUBLIC WORKS TO CALL GARAGE BIDS.

SAN FRANCISCO.—The Board of Public Works will, in the next few days, call for bids for the construction of a garage building in connection with heating and ventilating and alterations of the Central Fire Alarm station.

Plans for the work have already been approved. The Board is awaiting an appropriation from the Supervisors to finance construction.

## WINNEMUCCA COURT HOUSE CONTRACT AWARDED.

WINNEMUCCA, Nev.—Howard S. Williams, Hearst Bldg., San Francisco, was low bidder for construction of the Winnemucca Court House at \$126,000 without grading, mechanical equipment and finish hardware. F. J. De Longchamps of Reno, Nevada, architect.

McLeran & Peterson's bid of \$146,000 included all work.

## MUNICIPAL POWER PLANT SURVEY STARTED.

CHICO, Butte Co., Cal.—Preliminary surveys of the proposed site for a municipal power plant for Chico has been started by City Engineer F. S. Robinson. Surveyors are now working in Chico canyon. Upon the cost of installing the plant will depend future action by the City Board

## PROPOSED DAM IS APPROVED BY FARMERS IN OAKDALE SECTION.

OAKDALE, Stanislaus Co., Cal.—Land owners in the Orange Blossom section have joined with the Valley Home Water Users in approval of the proposed dam at Melones site.

Figures submitted by President Harry S. Crowe to the land owners show that the reservoir will cost about a million and a half dollars and store about 100,000 acre feet of water. The cost of this dam is estimated at a little less than a million dollars, and of a channel to take care of the diverted water, \$300,000. The remainder is estimated as necessary for acquiring the dam site and of land needed for the reservoir.

## PAYING PLANS ADOPTED.

MARYSVILLE, Yuba Co., Cal.—The City Council has adopted plans of City Engineer W. M. Meek for the paving of Fifth street, B to D; Sixth street, A to C, and D street, Fifth to Ninth. A call for bids will probably be issued within the next few days.

## HALF MILLION FOR ROADS IN PLACER COUNTY PLANNED.

AUBURN, Placer Co., Cal.—The County Supervisors have decided to call a bond election in the immediate future to decide the question of issuing and selling bonds of \$500,000 with which to finance the construction of highways and improve the present roads.

It is planned to improve the road from Auburn to the Nevada County line near Truckee, and to build roads running to State highway trunk lines.

## LABOR TEMPLE FOR STOCKTON.

STOCKTON, San Joaquin Co., Cal.—The San Joaquin County Labor Temple Association has started a campaign to secure funds with which to erect a new labor temple in this city. It is planned to issue stock to the amount of \$75,000.

## FARM BUREAU ALTERATION BIDS UNDER ADVISEMENT.

STOCKTON, San Joaquin Co., Cal.—The bid of D. Burns at \$2,493 for altering the Coffee Club building for a equity headquarters and rest room for women and for the home demonstration department of the Farm Bureau was considered by the County Supervisors \$900 too high, and will probably be rejected.

## MUNICIPAL HOSPITAL FOR VISALIA PLANNED.

VISALIA, Tulare Co., Cal.—R. L. Sherrer, proprietor of a large hospital supply house in Los Angeles, is in Visalia to urge the construction of a \$100,000 municipal hospital. Taking an important part in the conferences had by Sherrer with the City Trustees regarding the building are: The Visalia Board of Trade, the Visalia Commercial Club and the directors of the Visalia Hospital, Inc., the last named being a corporation recently created for establishment of a hospital here. It was stated that the Visalia Hospital Association would be willing, under the proper showing for success of the project, to turn over the stock subscribed towards creation of its \$100,000 enterprise to another association that appeared more attainable.

## FRESNO WILL SELL LAND TO SECURE FIRE HOUSE FUNDS.

FRESNO, Fresno Co., Cal.—The City Trustees have decided to sell four pieces of city owned property and from the sale secure funds with which to finance construction of four new fire houses.

Chas. Dillon is City Clerk of Fresno.

## TO PURCHASE MOTOR FIRE ENGINE.

PERNDALDE, Humboldt Co., Cal.—The Ferndale Farm Center has voted to purchase a motor fire engine for the protection of the Eel river valley. The machine is estimated to cost \$3,000.

## SCHOOL TOILET SYSTEM BIDS REJECTED.

CHICO, Butte Co., Cal.—The Board of School Trustees has rejected the bid of the Nichols Hardware Company of Chico for the improvement of the toilets in the Salem street school, and will call for new bids. The first call for bids provided for the installation of a specified fixture. The new call will not provide for any special make.

## EUREKA TO BOND FOR MUNICIPAL IMPROVEMENTS.

EUREKA, Humboldt Co., Cal.—September 15th is the date set by the City Council to vote on the question of issuing bonds of \$275,000 with which to finance construction of an auditorium, swimming baths and other improvements.

## BRIDGE FUNDS APPROPRIATED.

MARYSVILLE, Yuba Co., Cal.—The Yuba County Supervisors have sent notice to the Supervisors of Nevada County advising that Board that they have appropriated \$10,000 for the construction of a new or repairing of the old bridge over the middle fork of the Yuba river at Freeman's Crossing.

It is probable that the Nevada County will appropriate a like amount and put the work under way.

## IRRIGATION SYSTEM PLANNED.

PLACERVILLE, El Dorado Co., Cal.—Seth G. Beach has been appointed Chairman of a committee planning the formation of an irrigation district involving 30,000 acres in the central part of El Dorado County, to secure estimates of cost, etc., for the proposed system. An election organizing the district will be called within the next few weeks, when an engineer will probably be selected to work out a plan of construction.

## STREET IMPROVEMENT CONTRACT AWARDED.

SELMA, Fresno Co., Cal.—Hugh Crumey has been awarded a contract by the City Trustees for paving four miles of streets at approximately \$160,000. The streets to be paved all lead to the highway.

## SAN FRANCISCO ENGINEER TO HANDLE DIXON PAVING.

DIXON, Solano Co., Cal.—Engineer Chas. Sloan, Nevada Bank Bldg., San Francisco, has been engaged by the Dixon Trustees to handle the engineering work in connection with the paving of the main streets of Dixon, connecting both ends with the State Highway.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

No.	Owner	Contractor	Am't.
1568	Bercovich Home Mfg Co	2200	
1569	Regal Shoe Regal Shoe	2450	
1570	Hoagland .....	Coggins	1200
1571	Arnold .....	Pearson	900
1572	Nuttall .....	Robinson	10000
1573	Amer Motor .....	Barrett	45840
1574	Same .....	Snook	1548
1575	Steinberger .....	Cavanagh	31300
1576	Andrian .....	Dravillas	2000
1577	Otis .....	Cole	500
1578	Billings .....	Collman	460
1579	Bresino .....	Bresino	450
1580	Royal .....	Barlow	400
1581	R C Archbishop .....	Scott	6669
1582	Winter .....	Johnson	2475
1583	Warbur .....	Scott	1241
1584	Same .....	De Lew	1658
1585	Same .....	Zelinsky	1500
1586	Bercovich .....	Howe	4700
1587	Gray .....	Leigh	4500
1588	Moeller .....	Leigh	4500
1589	S P Co .....	Reilly	3800
1590	Cohen .....	Flinn	21479
1591	Blum's .....	Kulchar	3990
1592	Allred .....	Allred	6000
1593	Same .....	Same	4000
1594	Wilhelm .....	Wilhelm	3000
1595	Hamill .....	Hamill	3000
1596	Pratt .....	Pratt	3000
1597	Muir .....	Muir	900
1598	Realty Inv. Co .....	Grace	987
1599	Scholten .....	Owner	1075
1600	Hee Tai Wo .....	Owner	1200
1601	Erichs .....	S F Oven Co	1110
1602	Colichia .....	Sorbi	6000
1603	Leopold .....	Reedy	7600
1604	Augsbury .....	Taylor	7000
1605	McDonough .....	Owner	3800
1606	Leighton .....	Glaser	1100
1607	Oliver .....	Houle	3800
1608	Hazleick .....	Owner	1000
1609	St. Francis .....	Morton	8000
1610	Balfour .....	Walker	750000
1611	Fifth St. Co .....	Lawson	26533
1612	Sargeant .....	Garden	2000
1613	Carstens .....	Petersen	2000
1614	Oyen .....	Medburst	8000
1615	McCaw .....	Hamill	3000
1616	Crocker .....	Samuelson	2750
1617	Fiala .....	McCormick	2500
1618	Sharon .....	Page	900
1619	Fleishacker .....	Robinson	2500
1620	Perkins .....	Perkins	1000
1621	Dignan .....	Hamill	6480
1622	Furlong .....	Reeder	9900
1623	Edelstein .....	Abrahams	6000
1624	Rosenberg .....	Braunton	65000
1625	Wagstaff .....	Diessel	963

### ALTERATIONS

(1568) NE O'FARRELL & POWELL.  
Alter store.  
Owner—H. Bercovich Cigar Co., Cor.  
Sacramento and Montgomery, S F  
Architect—Alfred H. Jacobs, 110  
Sutter, San Francisco.  
Contractor—Home Mfg. Co., 543 Bran-  
nan, San Francisco.  
COST, \$2200

### ALTERATIONS

(1569) NO. 772 MARKET. Alter store

Owner—Regal Shoe Co., Premises.  
Architect—Albert Schroeffer, Nevada  
Bank Bldg., San Francisco.  
Day's work. COST, \$2450

### ALTERATIONS

(1570) NO. 908 MARKET. Cut in  
door and erect 3 dental rooms.  
Owner—Dr. Hoagland, Premises.  
Architect—None.  
Contractor—L. M. Coggins, 115 Turk,  
San Francisco.  
COST, \$1200

### UNDERPIN

(1571) NE VAN NESS AVE AND  
Willow. Underpin north wall of  
apartments.  
Owner—Ella H. Arnold, Care Archi-  
tect.  
Architect—Albert Schroeffer, Nevada  
Bank Bldg., San Francisco.  
Contractor—E. K. Pearson, 2372 Bry-  
ant, San Francisco.  
COST, \$900

### ALTERATIONS

(1572) NO. 2622 JACKSON. Alter &  
repair dwelling.  
Owner—Mrs. Nuttall, 1819 Jackson St.,  
San Francisco.  
Architect—Heller & Wilson, — Post,  
San Francisco.  
Contractor—Robinson & Gillespie,  
1051 Sutter, San Francisco.  
COST, \$10,000

### SERVICE BUILDING

(1573) SW POST AND GOUGH. Re-  
inforced concrete service building.  
Owner—American Motor Repair Co.  
Architect—Sylvain Schnaittacher, 233  
Post St., San Francisco.  
Contractor—J. F. Barrett and H. H.  
Hilp (as Barrett & Hilp), Sharon  
Bldg., San Francisco.  
Filed Aug. 4, '19. Dated May 29, '19.  
Progressive payments on 3rd of  
each month ..... Balance  
Usual 35 days .....  
TOTAL COST, \$45,840  
Bond, \$22,920. Sureties, Albert Lach-  
man and J. A. Casey. Limit, 35 work-  
ing days from July 21. Forfeit, \$20.  
Plans and specifications filed.

### (1574) PLUMBING ON ABOVE.

Contractor—Frederick W. Snook, 594  
Clay, San Francisco.  
Filed Aug. 4, '19. Dated May 29, '19.  
Payments same as above .....  
TOTAL COST, \$1548  
Bond, \$774. Sureties, F. N. Byrne and  
K. G. Hadeler. Limit, 85 working  
days from July 21. Forfeit, \$20.  
Plans and specifications filed.

### BUILDING

(1575) SE O'FARRELL AND VAN  
NESS AVE S 60x E 109. All work  
except furnishing and placing re-  
inforcing steel for building.  
Owner—A. Steinberger, Hotel St.  
Francis, San Francisco.  
Architect—Joseph L. Stewart, 703  
Market, San Francisco.  
Contractor—Thos. A. Cavanagh, 180  
Jessie, San Francisco.

Filed Aug. 4, '19. Dated July 31, '19.  
Concrete to 1st floor poured.....\$7825  
Concrete frame poured..... 7825  
Completed and accepted..... 7825  
Usual 35 days..... 7825  
TOTAL COST, \$31,300

Bond, limit, forfeit, none. Plans and  
specifications filed.

### ALTERATIONS

(1576) NO. 105 POWELL. Alter for  
restaurant.  
Owner—A. Andrian, 8 Eddy, S. F.  
Architect—None.  
Contractor—Gus Dravillas, 8 Eddy St.,  
San Francisco.  
COST, \$2000

### ALTERATIONS

(1577) S MARKET 250 E Ninth.  
Alter for auto show room.  
Owner—Jas. Otis, Trustee for Whit-  
comb Estate, 310 California, S. F.  
Architect—Geo. Rushforth, 354 Pine,  
San Francisco.  
Contractor—P. J. Cole, 110 Jessie,  
San Francisco.  
COST, \$500

### ADDITION

(1578) NO. 639 CLEMENT. Add  
store room in rear.  
Owner—J. R. Billings, Premises.  
Architect—J. M. Ploeger, Premises.  
Contractor—A. D. Collman, 110 Jessie  
San Francisco.  
COST, \$460

### FOUNDATION

(1579) NO. 145 HAROLD AVE. Con-  
crete foundation for dwelling.  
Owner—A. F. Bresino, Premises.  
Architect—None.  
Day's work. COST, \$450

### SHELVING

(1580) NO. 923 MARKET. Erect 200  
feet of shelving.  
Owner—Royal Shoe Co., Premises.  
Architect—None.  
Contractor—E. Barlow.  
COST, \$400

### SCHOOL

(1581) E FOURTEENTH AVE 90 S  
Irving. Plumbing, sewerage, heat-  
ing etc., for school building.  
Owner—Roman Catholic Archbishop  
of San Francisco.  
Architect—W. D. Shea and H. A. Min-  
ton, 244 Kearny, San Francisco.  
Contractor—Scott Co., 243 Minna, San  
Francisco.  
Filed Aug. 5, '19. Dated July 31, '19.  
Piping is completed.....\$2500  
Entire work done..... 2501  
Usual 35 days..... 1668  
TOTAL COST, \$6669

Pond, \$3335. Sureties, Wm. P. Scott  
and Peter F. Scott. Limit, forfeit,  
none. Plans and specifications filed.

### ALTERATIONS

(1582) NO. 217 COLE. All work for  
alterations and repairs; alter resi-  
dence into two flats.  
Owner—K. Winter, Premises.  
Architect—None.

Contractor—Johnson & Johnson, 55  
Divisadero, San Francisco.  
Filed Aug. 5, '19. Dated July 29, '19.  
Plaster on .....\$825  
Building finished ..... 825  
30 days after ..... 825  
TOTAL COST, \$2475  
Bond, limit, forfeit, none. Plans and  
specifications, none.

## PLUMBING

(1583) SW VAN NESS AVE AND  
Sacramento S 60-4x100. All work  
for plumbing for reinforced con-  
crete Class "B" building.  
Owner—Warbur Realty Co.  
Architect—Sylvain Schnaittacher, 233  
Post, San Francisco.  
Contractor—Scott Co., 243 Minna St.,  
San Francisco.

Filed Aug. 5, '19. Dated July 12, '19.  
Progressive payments .....  
TOTAL COST, \$1241  
Bond, \$620.50. Sureties, Wm. P.  
Scott and H. M. Van Pelt. Limit, for-  
feit, none. Plans and specifications  
filed.

(1584) ELECTRICAL WIRING ON  
above.

Contractor—M. A. De Lew, 1637 Oak,  
San Francisco.  
Filed Aug. 5, '19. Dated July 12, '19.  
Progressive payments .....  
TOTAL COST, \$1658  
Bond, \$829. Surety, New Amsterdam  
Casualty Co. Limit, forfeit, none.  
Plans and specifications filed.

(1585) PAINTING, ETC., ON ABOVE  
Contractor—D. Zelinsky & Sons, 422  
Turk, San Francisco.

Filed Aug. 5, '19. Dated July 12, '19.  
Progressive payments .....  
Usual 35 days ..... Balance  
TOTAL COST, \$1500  
Bond, \$750. Sureties, David and  
Frederick Z. Zelinsky. Limit, with-  
out delay. Forfeit, none. Plans and  
specifications filed.

## STORE FITTINGS

(1586) NE POWELL & O'FARRELL.  
All work for store fittings.  
Owner—H. Bercovich Cigar Co., 501  
Montgomery, San Francisco.

Architect—None.  
Contractor—Howe Mfg. Co., 543  
Brannan, San Francisco.  
Filed Aug. 5, '19. Dated Aug. 5, '19.  
On completion ..... 34  
Usual 35 days ..... 14  
TOTAL COST, \$4700  
Bond, \$—, Limit, after Sept. 4.  
Forfeit, \$20. Bonus, \$20 before Sept. 4.  
Plans and specifications filed.

## FRAME DWELLING

(1587) E THIRTY-SECOND AVE 50  
N Geary 25x72. All work for two-  
story frame dwelling.  
Owner—John Gray, 1248 Fell, S. F.  
Architect—None.  
Contractor—David Leigh, 840 44th  
Ave., San Francisco.

Filed Aug. 5, '19. Dated Aug. 1, '19.  
Frame up .....\$1125  
Brown coat plaster on ..... 1125  
Building completed ..... 1125  
Usual 35 days ..... 1125  
TOTAL COST, \$4500  
Bond, limit, forfeit, none. Plans and  
specifications, none.

## FRAME DWELLING

(1588) E THIRTY-SECOND AVE 75  
N Geary N 25x72. All work for  
two-story frame dwelling.  
Owner—Gustave Moeller, 2252 Cle-  
ment, San Francisco.

Architect—None.  
Contractor—David Leigh, 840 44th  
Ave., San Francisco.  
Filed Aug. 5, '19. Dated .....  
Frame up .....\$1125  
Brown plaster on ..... 1125  
Completed ..... 1125  
Usual 35 days ..... 1125  
TOTAL COST, \$4500  
Bond, limit, forfeit, none. Plans and  
specifications, none.

## PAVEMENT

(1589) IN DRIVEWAY AT KEN-  
tucky St. warehouse. All work for  
20,000 sq. ft. of asphalt pavement.  
Owner—Southern Pacific Railroad,  
65 Market, San Francisco.

Architect—None.  
Contractor—Flinn & Treacy Con-  
tracting Co., 1st Nat'l. Bk Bldg.,  
San Francisco.

Filed Aug. 5, '19. Dated July 10, '19.  
TOTAL COST, 19c sq. ft.  
Bond, \$2850. Surety, American In-  
demnity Co. Limit, 90 days. Forfeit,  
none. Plans and specifications filed.

## ALTERATIONS

(1590) E MISSION 250 S Sixteenth.  
All work for alterations and addi-  
tions to one-story frame building;  
making three-story frame.

Owner—A. Cohen.  
Architect—S. Heiman, 212 Stockton,  
San Francisco.  
Contractor—Frank J. Reilly, 752 4th  
Ave., San Francisco.

Filed Aug. 5, '19. Dated July 29, '19.  
Second floor joists up .....\$3580.00  
Roof on ..... 3580.00  
Plastering completed ..... 3579.50  
Completed and accepted ..... 5369.75  
Usual 35 days ..... 5369.75  
TOTAL COST, \$21,479.00

Bond, \$10,750. Sureties, P. P. Quinn  
and P. J. Sullivan. Limit, 120 days  
after securing permit. Forfeit, none.  
Plans and specifications filed.

## ALTERATIONS

(1591) SW POLK & CALIFORNIA.  
All work for alterations to stores.

Owner—Blum's Inc., 1465 Polk, S. F.  
Architect—Arthur S. Heineman, Ma-  
caddon Bldg., San Francisco.

Contractor—S. Kulchar & Co., 8th  
Ave and E-10th, Oakland.  
Filed Aug. 5, '19. Dated July 14, '19.  
On 1st and 15th of each month 75%

TOTAL COST, \$3990  
Bond, \$1995. Surety, Hartford Acci-  
dent & Indemnity Co. Limit, Aug. 24,  
1919. Forfeit, none. Plans and spec-  
ifications filed.

## FRAME DWELLING

(1592) S CERRITOS 180 E Larnado.  
Two-story frame dwelling.  
Owner—C. S. Allred, 150 Onondaga  
Ave., San Francisco.

Architect—None.

Day's work. COST, \$6000

## DWELLING

(1593) W VICTORIA 100 N Holla-  
way. One-story frame dwelling.  
Owner—C. S. Allred, 150 Onondaga  
Ave., San Francisco.

Architect—None.  
Day's work. COST, \$4000

## DWELLING

(1593) E MADRONE 200 S Taraval.  
One-story frame dwelling.  
Owner—Prosper S. Wolf, 725 5th Ave.  
San Francisco.

Architect—None!  
Contractor—J. H. Thorup, 620 24th  
Ave., San Francisco.

COST, \$5000

## FRAME SHOP

(1594) S HARRISON 130 W 10th.  
One-story frame shop.  
Owner—P. L. Wilhelm, 180 Jessie,  
San Francisco.

Architect—None.  
Contractor—A. H. Wilhelm, 180 Jes-  
sie, San Francisco.

COST, \$3000

## DWELLING

(1595) E FORTY-THIRD AVE 175 S  
Balboa. One-story frame dwelling.  
Owner—Thos. Hamill, 4101 Balboa,  
San Francisco.

Architect—None.  
Day's work. COST, \$3000

## DWELLING

(1596) W THIRTY-SIXTH AVE 150  
N Cabrillo. Two-story frame dwlg.  
Owner—J. J. Pratt, 6736 Geary, S. F.  
Architect—None.

Day's work. COST, \$3000

## FRAME GARAGE

(1597) S VALLEJO 40 W Steiner.  
One-story frame garage.  
Owner—Robt. Muir, 310 California,  
San Francisco.

Architect—T. Paterson Ross, 810 Cal-  
ifornia, San Francisco.

Day's work. COST, \$900

## ALTERATIONS

(1598) LICK ALLEY AND POST.  
Remove partitions; install 6x12 O.  
P. girders.  
Owner—Realty Property Investment  
Co., 1st National Bk Bldg., S. F.

Architect—None.  
Contractor—Grace & Bernieri, Claus  
Spreckels Bldg., San Francisco.  
COST, \$987

## FRAME DWELLING

(1599) SE BRAZIL AND VIENNA.  
One-story frame dwelling.  
Owner—H. Scholten, 1522 Santa Clara  
Ave., Berkeley.

Architect—None.  
Day's work. COST, \$1075

## ALTERATIONS

(1600) NO. 1109 GRANT AVE. Alter  
and repair butcher shop.  
Owner—Hee Tai Wo, Premises.  
Architect—None.

Day's work. COST, \$1200

## BAKE OVEN

(1601) W LEAVENWORTH 100 N  
Bush. Build brick bake oven.  
Owner—S. O. Erich, 1236 45th Ave.,  
San Francisco.

Architect—John Olds, 528 New Call  
Bldg., San Francisco.  
Contractor—S. F. Oven Co., 528 Call  
Bldg., San Francisco.

COST, \$1110

## FRAME FLAT, ETC.

(1602) W MISSION 198.13 S Ocean  
Ave S 25xW 100. All work for two  
story and basement frame store and  
flat building.  
Owner—Gaspari Colichia.  
Architect—None.

Contractor—A. Sorbi.

Filed Aug. 6, '19. Dated July 21, '19.  
Frame up .....\$1500  
Brown plaster on ..... 1500  
When completed ..... 1500  
Usual 35 days ..... 1500

TOTAL COST, \$6000  
Bond, none. Limit, 110 working days.  
Forfeit, none. Plans and specifications filed.

#### FLATS

(1603) NW WEBSTER 100 S Grove S 37-6x137-6. All work to tear down present building and erect a two-story flat building.

Owner—Adeline Leopold, 627 Webster, San Francisco.

Architect—None.

Contractor—William M. Reedy, 267 Ellsworth, San Francisco.

Filed Aug. 6, '19. Dated Aug. 5, '19.  
Frame up .....\$1900  
Plaster on ..... 1900  
Completed ..... 1900  
Usual 35 days ..... 1900

TOTAL COST, \$7600  
Bond, \$3800. Sureties, P. J. Sullivan and W. A. Mariani. Limit, 105 working days. Forfeit, none. Plans and specifications filed.

#### ALTERATIONS

(1604) NW BALBOA AND 14th Ave. General alterations and additions to residence.

Owner—John C. Augsbury, 1300 Balboa, San Francisco.

Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Contractor—Taylor & Jackson, New Call Bldg., San Francisco.

COST, \$7000

#### DWELLINGS

(1605) N TWENTY-FIFTH 75 and 100 W Homestead. Two two-story and basement frame dwellings.

Owner—McDonough & Costello, 90 St. Marys Ave. and 93 College Ave., San Francisco.

Architect—None.

Day's work. COST, \$1900 each

#### BAKE OVEN

(1606) SW EDDY AND POWELL. Construct brick bake oven.

Owner—Leighton Dairy Lunch Co., 18 Turk, San Francisco.

Architect—None.

Contractor—J. P. Glaser, 110 Jessie, San Francisco.

COST, \$1100

#### FRAME DWELLING

(1607) E CONGRESS 200 S Masonic Ave. Two-story and basement frame dwelling.

Owner—W. S. Oliver, 2224 Lake, S. F. Architect—None.

Contractor—D. Houle, 660 Market, San Francisco.

COST, \$3800

#### FRAME DWELLING

(1608) E RUTLAND 207 S Vicitation Two-story frame dwelling.

Owner—Wm. Hizelech, 9 Delano Ave., San Francisco.

Architect—None.

Day's work. COST, \$1000

#### FRAME DWELLING

(1609) N TERRACE DRIVE 152 E Portola. Two-story frame dwelling.

Owner—St. Francis Wood Home Bldg. Co., 278 Post, San Francisco.

Architect—Henry H. Gutterson, 278

Post, San Francisco.

Contractor—John Morton, 180 Jessie, San Francisco.

COST, \$8000

#### CLASS "A" BUILDING

(1610) SE SANSOME & CALIFORNIA. Twelve-story Class "A" office building.

Owner—Balfour Guthrie Co., 350 California, San Francisco.

Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

COST, \$750,000

#### FACTORY BUILDING

(1611) COMMENCING 300 W from NW Fifth and Harrison N 80xW 200

All work for one-story factory bldg. Owner—Fifth Street Company.

Architect—O'Brien Bros., Inc., 240 Montgomery, San Francisco.

Contractor—A. W. Lawson, 180 Jessie San Francisco.

Filed Aug. 7, '19. Dated Aug. 5, '19.

Walls up to window sills.....\$5000.00  
Walls up to bottom second

trusses ..... 5000.00  
Roof on, plumbing roughed

in ..... 5000.00  
Completed ..... 4899.75

Usual 35 days ..... 6633.25  
TOTAL COST, \$26,532.00

Bond, \$13,266.50. Sureties, A. W. Lawson and John Bender. Limit, 60 days.

Forfeit, none. Plans and specifications filed.

#### ALTERATIONS

(1612) NO. 2235 LAKE. Alter residence.

Owner—Geo. C. Sargeant, Hobart Bldg San Francisco.

Architect—None.

Contractor—Frank M. Garden, 2235 Lake, San Francisco.

COST, \$2000

#### ALTERATIONS

(1613) NO. 450 ATHENS. Alter residence.

Owner—Henry Carstens, 450 Athens, San Francisco.

Architect—None.

Contractor—W. C. Petersen, 610 Fillmore, San Francisco.

COST, \$2000

#### Correction. Architect's Name Omitted FRAME APARTMENTS

(1614) NE BALBOA & TWENTIETH Ave. Two-story frame (4) apartments.

Owner—O. M. Oyen and P. Medhurst, 131 Mangels Ave., San Francisco.

Architect—C. O. Clausen, Hearst Bldg. San Francisco.

Day's work. COST, \$8000

#### DWELLING

(1615) W FORTIETH AVE 200 S Anza. One-story and basement frame dwelling.

Owner—Thos. I. McCaw, 281 12th Ave., San Francisco.

Architect—None.

Contractor—Thos. Hamill, 4101 Balboa, San Francisco.

COST, \$3000

#### DWELLING

(1616) N ROLPH 210 E Newton. One-story frame dwelling.

Owner—Crocker Estate Co., Crocker Bldg., San Francisco.

Architect—None.

Contractor—A. M. Samuelson, 3732 21st, San Francisco.

COST, \$2750

#### DWELLING

(1617) S BOSWORTH 50 W Cuvier. One-story and basement frame dwelling.

Owner—Wm. F. Fiala, 1708½ Church, San Francisco.

Architect—None.

Contractor—Thos. McCormick, 25 Gladys, San Francisco.

COST, \$2500

#### ADDITIONS

(1618) NO. 133 POPE. Add to residence.

Owner—Millie Sharon, Premises.

Architect—None.

Contractor—C. W. Page, 12 Sadowa, San Francisco.

COST, \$300

#### ALTERATIONS

(1619) SE MARKET AND MAIN. New store front.

Owner—M. Fleishacker, 2418 Pacific Ave., San Francisco.

Architect—None.

Contractor—Robinson & Gillespie, 1051 Sutter, San Francisco.

COST, \$2500

#### ALTERATIONS

(1620) SE VALENCIA AND 16TH. Alter saloon into residence.

Owner—J. D. Perkins, 168 Valencia, San Francisco.

Architect—None.

Day's work. COST, \$1000

#### FRAME STORES

(1621) S GEARY 115 W 16th Ave W 50xS 100 O L 268. All work except finish hardware and brass for one-story frame building (stores).

Owner—J. H. Dignan.

Architect—J. A. Porporato, 619 Washington, San Francisco.

Contractor—Thos. Hamill, 4101 Balboa, San Francisco.

Filed Aug. 8, '19. Dated Aug. 7, '19.

Frame up .....\$1200  
Brown plaster on ..... 1400

Completed ..... 1800  
Usual 35 days ..... 2080

TOTAL COST, \$6480

Bond, \$3500. Sureties, Nathaniel Thompson and J. H. McCallum. Limit 75 days. Forfeit, none. Plans and specifications filed.

#### OFFICE BUILDING

(1622) N PINE 137-6 E Stockton. Grading, excavation, foundation work for Pacific Coast Home Office of Metropolitan Life Insurance Co.

Owner—Jas. Furlong.

Architect—J. R. Miller, Lick Bldg., San Francisco.

Contractor—A. J. Reeder, 110 Jessie, San Francisco.

Filed Aug. 8, '19. Dated Aug. 8, '19.

On 10th and 20th of each month 75% Usual 35 days, balance..... 25%

TOTAL COST, \$3900

Bond, \$4950. Surety, New Amsterdam Casualty Co. Limit, forfeit, none. Plans and specifications filed.

#### FRAME STORE, ETC.

(1623) W SAN BRUNO 200 N Burrows. Two-story frame store and flat.

Owner—H. Edelstein, 2520 San Bruno

Ave., San Francisco.  
 Architect—O. E. Evans, 2569 Mission,  
 San Francisco.  
 Contractor—H. Abrahams, 134 Hale,  
 San Francisco.  
 COST, \$6000

## WAREHOUSE

(1624) N DAVIDSON 15 W Rankin.  
 Two and part 4-story concrete  
 warehouse and factory, 80x208.  
 Owner—Rosenberg Bros. & Co.; 330  
 California, San Francisco.  
 Architect—None.  
 Contractor—Braunton Bros., 180 Jes-  
 sie, San Francisco.  
 COST, \$65,000

## REPAIRS

(1625) NO. 371 SANCHEZ. Repair  
 fire damage to dwelling.  
 Owner—P. H. Wagstaff, Premises.  
 Architect—None.  
 Contractor—John Diestel, 248 Russ  
 Bldg., San Francisco.  
 COST, \$963

## LIENS FILED.

## San Francisco County.

Aug. 6, 1919.—NE FORTY-SECOND  
 Ave. and Judah 25x100. The  
 Greater City Lumber Co vs F W  
 Fulmore and wife Ollie Fulmore  
 \$102.65

## COMPLETION NOTICES.

## San Francisco County.

## RECORDED ACCEPTED

Aug. 1, 1919.—E ASHBURY 80-3 NE  
 from pt formed by intersection E  
 Ashbury and N line Clifford Ter-  
 race N 37-4½ E 80-4 S 27-9 W  
 93-3½. C B Lovig vs Wm P and  
 Madeline Mary Scott. \$220  
 Aug. 2, 1919.—W POTRERO AVE 85  
 N 24th N 50xW 100. J H Rippe  
 to Thos P Mitchell. Aug. 2, 1919  
 Aug. 4, 1919.—LOT 24 BLK 3163,  
 Westwood Park. Katherine C  
 Kingwell to John J Kingwell.  
 July 25, 1919  
 Aug. 5, 1919.—E VALENCIA 81-6 S  
 20th S 68-6 E 92-6 N 40 W 2-6 N  
 28-6 W 90. M I Sullivan to Adam  
 Arras. Aug. 5, 1919  
 Aug. 6, 1919.—LOT 12 BLK 3165,  
 Westwood Park. Hans Nelson to  
 Nelson Bros. Aug. 1, 1919  
 Aug. 6, 1919.—LOT 21 BLK 3164,  
 Westwood Park. Nellie M Morgan  
 to Nelson Bros. Aug. 1, 1919  
 Aug. 6, 1919.—LOT 25 BLK 3163,  
 Westwood Park. Edward and  
 Ethel Franklin to Nelson Bros.  
 Aug. 1, 1919  
 Aug. 7, 1919.—W FIRST AVE bet.  
 Cornwall and California, 100x130.  
 M G Gilmour to whom it may con-  
 cern. Aug. 7, 1919  
 Aug. 8, 1919.—GORE COR. ROLPH,  
 Naples and Morse Lot 1 Blk 13,  
 Crocker Amazon Tract. Albin M  
 Samuelson to A M Samuelson.  
 August 5, 1919  
 Aug. 8, 1919.—LOT 13 BLK 16,  
 Crocker Amazon Tract. Victor  
 Bjorkman to whom it may con-  
 cern. Aug. 8, 1919  
 Aug. 8, 1919.—N SEVILLE 112 W  
 Cordova 26x100; Lot 9 Blk 23,

Crocker Amazon Tract. Albin M  
 Samuelson to A M Samuelson.  
 August 5, 1919

## NOTICE OF NON-RESPONSIBILITY.

## San Francisco County.

Aug. 9, 1919.—N MARKET bet Grant  
 Ave and Stockton; No. 786-788  
 Market. Alice Phelan Sullivan  
 Corporation and Mary L Phelan  
 as to improvements on leased  
 property  
 Aug. 5, 1919.—NO. 908 MARKET ST.  
 Douglas Realty Co as to im-  
 provements on leased property.  
 Aug. 7, 1919.—W GRANT AVE 27-6  
 m or 1 N Pacific. C D Farquhar-  
 son as to improvements on leased  
 property

## LEASE.

## San Francisco County.

Aug. 9, 1919.—N FOURTH & MISSION  
 No. 87 Fourth. Voorman Co, corp'n  
 to Harry Cohen and Frank Neary  
 (as Neary & Cohen). 3 years. \$2880  
 Aug. 6, 1919.—NE GEARY & LARKIN  
 No. 890 Geary. M J Getz, Barry  
 Getz, Sella Cohn and Mildred L  
 Steiner to Dr Henry L Holzberg  
 6 years. \$6940.

## BUILDING PERMIT TOTALS FOR JULY, 1919.

The following is a report of Build-  
 ing operations for the month of July,  
 as shown by the Records of the  
 Bureau of Inspection of the Board of  
 Public Works:

Class	No. of Bldgs.	Cost
"A"	1	\$ 100,000
"B"	3	324,000
"C"	15	435,800
Frames	101	492,619
Alterations	437	403,527
Harbor Work	2	36,754
Total	559	\$1,792,700

## BUILDING CONTRACTS

## Alameda County.

The following is an index for the  
 contracts for this month:

No.	Owner	Contractor	Amt.
1668	Pfrang	Pfrang	3000
1669	Wolf	Gompertz	6000
1670	Board of Ed	Owner	5000
1671	Breedlove	Owner	2750
1672	Danielson	David	3000
1673	Maasberg	Owner	500
1674	Pfrang	Owner	500
1675	Crosby	Owner	500
1676	Van Slyke	Olsen	485
1677	Palmer	Cruikshank	400
1678	Sweet	Hazeling	400
1679	Griffith	House	4700
1680	Hardy	Allen	750
1681	Malony	Clark	435
1682	Westover	Morton	6300
1683	Weissbaum	Collins	2700
1684	Newby	Newby	2000
1685	Franklin	Hopper	5150
1686	Nethken	Nethken	2750
1687	Marquis	Marquis	2000
1688	Caldwell	Caldwell	2000
1689	Rosenthal	Anderson	500
1690	Nelson	Johnson	800

1691	King	Corbett	975
1692	City of Okd	Faulkes	1200
1693	Gisla	Legris	3500
1694	Marquis	Marquis	2000
1695	Caldwell	Owner	4000
1696	Marquis	Marquis	2000
1697	Bk Sn Lindro	Knowles	50000
1697	Leino	Leino	2500
1698	Wright	Pattin	1350
1699	City of Alameda	Powell	2500
1700	Smith	Randlett	400
1701	Lunt	Ala Land Co	2000
1702	Ritchie	Owner	400
1703	Westover	Morton	6400
1704	Munger	Engler	1500
1705	Wstrn Canning	Cyclops	11700
1706	Archer	Maudrell	1215
1707	Nat. Lead	Hoyt	4000
1708	Wachs	Muller	12000
1709	Block	Block	4000
1710	MacGregor	Owner	31500
1711	Same	Same	25000
1712	Same	Same	24000
1713	Chandler	MacGregor	9000
1714	MacGregor	Owner	15000
1715	Same	Same	6000
1716	Kapper	Walden	3600
1717	Oakland	Faulkes	1200
1718	Larmer	Larmer	10000
1719	East Bay Water	Owner	130000
1720	Collier	Baker	2221
1721	Lester	Texdahl	9665
1722	Newman	Maurice	4500
1723	Miller	Miller	4000
1724	Ozont	Olsen	9000
1725	Chinn	Kulchar	2000
1726	Pacific G&E	Bundscher	1830
1727	Boehme	Duval	1450

## DWELLING

(1668) N MANILA AVE 56 W Broad-  
 way, Oakland. One-story 6-room  
 dwelling.  
 Owner—Lewis G. Pfrang, 703 55th,  
 Oakland.  
 Architect—None.  
 Day's work. COST, \$3000

## DWELLING

(1669) SW DERBY AND CLARE-  
 mont Blvd, Berkeley. Two-story 9-  
 room dwelling.  
 Owner—J. H. Wolf 6429 Colby St.,  
 Berkeley.  
 Architect—R. A. Hutchinson, Syndi-  
 cate Bldg., Oakland.  
 Contractor—Chas. W. Gompertz,  
 Broadway Terrace and Carlton,  
 Oakland.  
 COST, \$6000

## ADDITION

(1670) LE ROY AND VIRGINIA,  
 Berkeley. One-story 5-room addi-  
 tion to school.  
 Owner—Board of Education, 2133  
 Allston Way, Berkeley.  
 Architect—None.  
 Day's work. COST, \$5000

## DWELLING

(1671) NO. 2414 EDWARDS, Ber-  
 keley. One-story 5-room dwelling.  
 Owner—Mary S. Breedlove, 175 Santa  
 Rosa Ave., Oakland.  
 Architect—None.  
 Days work. COST, \$2750

## APARTMENTS

(1672) NE PARK BLVD. AND E-  
 Twentieth, Oakland. All work for  
 two-story 12-room apartments.  
 Owner—E. R. Danielson, 3974 Pied-  
 mont, Oakland.  
 Architect—R. A. Hutchinson, Syndi-  
 cate Bldg., Oakland.  
 Contractor—W. J. David, 2428 Linden



Oakland.  
Filed Aug. 4, '19. Dated Aug. 2, '19.  
1st floor laid.....\$3240  
Frame up.....3240  
Ready for lath.....3240  
Plastered and pine floors laid.....3240  
Completed.....3240  
TOTAL COST, \$—  
Bond, none. Limit, 100 days. Forfeit,  
none. Plans and specifications filed.

DWELLING  
(1673) S HAMPEL 85 W Woodruff,  
Oakland. One-story 7-room dwlg.  
Owner—E. Maasberg, 3915 Green-  
wood, Oakland.  
Architect—None.  
Day's work. COST, \$3000

GARAGE  
(1674) NO. 3520 PARK BLVD., Oak-  
land. Garage.  
Owner—L. G. Pfrang, 703 55th, Okd.  
Architect—None.  
Day's work. COST, \$500

GARAGE  
(1675) NO. 86 EUCALYPTUS ROAD,  
Oakland. Garage.  
Owner—L. Crosby.  
Architect—None.  
Day's work. COST, \$500

ADDITION  
(1676) NO. 2840 SUMMIT, Oakland.  
Addition.  
Owner—I. M. Van Slyke, Premises.  
Architect—None.  
Contractor—Edw. Olsen.  
COST, \$485

GARAGE  
(1677) NO. 5674 KEITH AVE., Oak-  
land. Garage.  
Owner—Dr. H. P. Palmer.  
Architect—None.  
Contractor—Jas. Cruickshank, 5658  
Broadway, Oakland.  
COST, \$400

ALTERATIONS  
(1678) NO. 1809 WEST, Oakland.  
Alterations.  
Owner—R. Sweet, Premises.  
Architect—None.  
Contractor—J. R. Hazelton, 1848 San  
Pablo Ave., Oakland.  
COST, \$400

DWELLING  
(1679) S RUSSELL 165 W Pine Ave.,  
Berkeley. Two-story 5-room dwlg.  
Owner—Lulu Z. Griffith, 2830 Russell  
St., Berkeley.  
Architect—H. C. Allen, San Francisco  
Contractor—Jacob House, 1640 All-  
ston Way, Berkeley.  
COST, \$4750

ALTERATIONS  
(1680) NO. 2824 FOREST AVE., Ber-  
keley. Alterations.  
Owner—V. S. Hardy, Premises.  
Architect—None.  
Contractor—F. E. Allen, 2718 Regent,  
Berkeley.  
COST, \$750

ADDITION  
(1681) NO. 2418 DANA, Berkeley.  
Addition.  
Owner—Mr. Malony.  
Architect—None.  
Contractor—Clark & Connolly, 2106  
Channing Way, Berkeley.  
COST, \$435

FRAME DWELLING  
(1682) E 60.75 LOT 1 BLK "A"  
Whitney Tract, Berkeley. All work  
for two-story frame dwelling.  
Owner—Myron Westover, Berkeley.  
Architect—None.  
Contractor—Mathew Morton, Bkly.  
Filed Aug. 5, '19. Dated July 29, '19.  
Roof sheathed..... $\frac{1}{4}$   
Plastered..... $\frac{1}{4}$   
Completed and accepted..... $\frac{1}{4}$   
Usual 35 days..... $\frac{1}{4}$   
TOTAL COST, \$6300  
Bond, \$3150. Sureties, Jeanie Morton  
and John I. Collins. Limit, 70 days.  
Forfeit, none. Plans and specifica-  
tions filed.

DWELLING  
(1683) W THIRD AVE 60 N E-10th,  
Oakland. One-story 5-room dwlg.  
Owner—G. Weissbaum, 137 11th St.,  
San Francisco.  
Architect—None.  
Contractor—W. E. Collins, 643 Oak  
St., San Francisco.  
COST, \$2700

DWELLING  
(1684) E EIGHTY-SIXTH AVE 30 N  
Dowling, Oakland. One-story five-  
room dwelling.  
Owner—P. A. Newby.  
Architect—None.  
Day's work. COST, \$2000

DWELLING AND GARAGE  
(1685) MANOR DRIVE, Piedmont.  
One and one-half-story frame dwell-  
ing and garage.  
Owner—William Franklin, 5701 San  
Pablo Ave., Oakland.  
Architect—Marshall E. Hopper, 12  
Linda Ave., Piedmont.  
Contractor—Hopper & Son, 12 Linda  
Ave., Piedmont.  
COST, \$5150

(1686) N SIXTIETH 130 E Adeline,  
Oakland. One-story 5-room dwlg.  
Owner—H. Nethken, 3651 39th Ave.,  
Oakland.  
Architect—None.  
Day's work. COST, \$2750

DWELLING  
(1687) E FORTY-FIRST AVE 150 S  
San Carlos Walk, Oakland. One-  
story 5-room dwelling.  
Owner—E. M. Marquis, 2827 Russell,  
Berkeley.  
Architect—None.  
Day's work. COST, \$2000

DWELLING  
(1688) N E-THIRTY-SECOND 75 E  
Stuart, Oakland. One-story four-  
room dwelling.  
Owner—C. H. Caldwell, 1918 Pacific  
Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2000

ALTERATIONS  
(1689) NO. 819 WASHINGTON, Oak-  
land. Alterations.  
Owner—S. Rosenthal, Premises.  
Architect—None.  
Contractor—J. Anderson, 874 34th,  
Oakland.  
COST, \$500

ADDITION  
(1690) NO. 2518 TWENTY-FOURTH  
Ave., Oakland. Addition.  
Owner—Mrs. P. Nelson.  
Architect—None.  
Contractor—L. O. Johnson.  
COST, \$800

ALTERATIONS  
(1691) NO. 471 NINTH, Oakland.  
Alterations.  
Owner—J. H. King Co., 308 12th, Okd.  
Architect—None.  
Contractor—Corbett & Bayliss, 1110  
Franklin, Oakland.  
COST, \$975

SCHOOL  
(1692) THIRTY-NINTH & MARKET  
Oakland. One-story 1-room school.  
Owner—City of Oakland.  
Architect—None.  
Contractor—John R. Faulkes, 9828 E-  
14th, Oakland.  
COST, \$1200

REPAIRS  
(1693) NO. 2585 FRUITVALE AVE.,  
Oakland. Fire repairs.  
Owner—Mrs. M. Gisla, Premises.  
Architect—None.  
Contractor—L. H. Legris, 2600 Fruit-  
vale Ave., Oakland.  
COST, \$3500

DWELLING  
(1694) W FAIRFAX AVE 220 N  
Ygnacio, Oakland. One-story five-  
room dwelling.  
Owner—E. M. Marquis, 2827 Russell  
Berkeley.  
Architect—None.  
Day's work. COST, \$2000

DWELLINGS  
(1695) N E-THIRTY-SECOND 100 &  
142 E Stuart, Oakland. Two one-  
story 4-room dwellings.  
Owner—C. H. Caldwell, 1918 Pacific  
Ave., Oakland.  
Architect—None.  
Day's work. COST, \$4000

DWELLING  
(1696) W FIFTY-SECOND AVE 400  
N E-14th, Oakland. One-story five-  
room dwelling.  
Owner—E. M. Marquos, 2827 Russell,  
Berkeley.  
Architect—None.  
Day's work. COST, \$2000

HOTEL, ETC.  
(1697) SW NINETY-SECOND AVE.,  
and E-14th, Oakland. Two-story  
store and hotel building.  
Owner—Bank of San Leandro  
Architect—W. H. Weeks, 75 Post St.,  
San Francisco.  
Contractor—A. Knowles, Kohl Bldg.,  
San Francisco.  
COST, \$50,000

DWELLING  
(1697) N ALSTON WAY 40 E Broad-  
way, Berkeley. One-story 5-room  
dwelling.  
Owner—Albino Leino, 1619 Kains Ave.  
Berkeley.  
Architect—None.  
Day's work. COST, \$2500

ADDITION  
(1698) NO. 1522 WEBSTER, Ala-  
meda. Addition.  
Owner—Geo. T. Wright, 1515 San An-  
tonio Ave., Alameda.  
Architect—None.  
Contractor—A. W. Pattini, 1521 Cen-  
tral Ave., Alameda.  
COST, \$1350.

ADDITION  
(1699) PEARL near Harrison Ave.,  
Alameda. Reinforced concrete ad-  
dition.

Owner—City of Alameda.

Architect—None.

Contractor—Powell Bros., Harrison Ave and Pearl, Alameda.

COST, \$2500

#### ADDITION

(1706) NO. 1414 CENTRAL AVE., Alameda. Addition.

Owner—W. O. Smith, Premises.

Architect—None.

Contractor—E. A. Randlett, 1534 Chestnut, Alameda.

COST, \$400

#### DWELLING

(1701) W FIFTH 35 N Haight Ave., Alameda. One-story 4-room dwlg.

Owner—Geo. D. Lunt, 1509 High, Alameda.

Architect—None.

Contractor—Alameda Land Co., 1434 Park, Alameda.

COST, \$2000

#### ALTERATIONS

(1702) NO. 1353 PARK, Alameda.

Kitchens.

Owner—Mrs. L. E. Ritchie, Premises.

Architect—None.

Day's work. COST, \$400

#### DWELLING

(1708) EUCLID AVE AND Hawthorne Terrace, Berkeley. Two-story 6-room dwelling.

Owner—Myron Westover.

Architect—None.

Contractor—Mathew Morton, 2911 Benvenue Ave., Berkeley.

COST, \$6400

#### REPAIRS

(1704) NO. 2966 RUSSELL, Berkeley Repairs.

Owner—A. L. Munger, Premises.

Architect—None.

Contractor—Louis Engler, 2435 College Ave, Berkeley.

COST, \$1500

#### REFRIGERATING SYSTEM

(1705) NW PARK AVE AND Harlan, Emeryville. All work for refrigerating system in one-story refrigerator building.

Owner—Western Canning Co. through Agents P. J. Walker Co., Monadnock Bldg., San Francisco.

Architect—None.

Contractor—Cyclops Iron Works.

Filed Aug. 6, '19. Dated July 29, '19.

Monthly payments for work and labor installed

TOTAL COST, \$11,700

Bond, \$5850. Surety, Fidelity & Deposit Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(1706) E FRANKLIN 60-3 N 14th N 145-9 E 150 S 145-9 W 47-10½ S 60-3 W 30-6 N 60-3 W 71-7½, Oakland.

All work for painting two-story store and dance pavilion.

Owner—Archon Company.

Architect—Cunningham & Polite, 1st National Bank Bldg., San Francisco.

Contractor—H. Maundrell, 180 Jessie, San Francisco.

Filed Aug. 6, '19. Dated July 3, '19.

On 1st and 15th of each month 75% Usual 35 days 25%

TOTAL COST, \$1215

Bond, \$607.50. Surety, Royal Indemnity Co. Limit, 25 days. Forfeit, \$25.

Plans and specifications filed.

#### MILL BUILDING

(1707) FORTY-SEVENTH AVE AND E-10th, Oakland. Three-story mill building.

Owner—National Lead Co. of California, Premises.

Architect—None.

Contractor—H. P. Hoyt, Monadnock Bldg., San Francisco.

COST, \$4000

#### DWELLING

(1708) E BELLEVUE 325 N Van Buren, Oakland. Two-story 12-room dwelling.

Owner—Harold Wachs.

Architect—A. Howard Peterson.

Contractor—F. A. Muller, Syndicate Bldg., Oakland.

COST, \$12,000

#### DWELLING

(1709) W PARK BLVD. 120 N Spruce, Oakland. Two-story 6-room dwelling.

Owner—Peter Block, 109 Arbor Drive, Oakland.

Architect—None.

Contractor—Peter Block & Co., 109 Arbor Drive, Oakland.

COST, \$4000

#### DWELLINGS

(1710) NW FIFTY-NINTH AND SAN Pablo and thence along W San Pablo Ave 72, 109, 147, 184, 222, 260, 297 N 59th, Oakland. Nine one-story 6-room dwellings.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$3500 each

#### DWELLINGS

(1711) N MANDONA 350, 400, 450, 500 and 550 W Carlston, Oakland. Five one-story frame dwellings.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$5900 each

#### DWELLINGS

(1712) W SAN PABLO AVE 34, 72, 109, 147, 184, 222, 260, 297 N 59th, Oakland. Eight one-story frame dwellings.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$3000 each

#### DWELLINGS

(1713) W THIRTY-FIFTH AVE 200, 237, 275 W Brookdale Ave., Oakland. All work for three one-story 6-room dwellings.

Owner—Gertrude D. Chandler, Oakland Bank of Savings Bldg., Okd.

Architect—None.

Contractor—C. M. MacGregor, 470 13th, Oakland.

COST, \$3000 each

#### DWELLINGS

(1714) W THIRTY-FIFTH AVE 50, 87, 125, 162 190 S Brookdale Ave., Oakland. Five one-story frame dwellings.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$3000 each

#### DWELLINGS

(1715) W THIRTY-FIFTH AVE 100, 137 N Deering, Oakland. All work

for two one-story frame dwellings. Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$3000 each

#### DWELLING

(1716) SE FORTY-SEVENTH AND Melrose Ave., Oakland. One-story 7 room dwelling.

Owner—Mrs. Sophia Kapper, Prem.

Architect—None.

Contractor—J. T. Walden, 2312 Courtland, Oakland.

COST, \$3600

#### SCHOOL

(1717) THIRTY-FOURTH & MAGNolia, Oakland. One-story one-room school.

Owner—City of Oakland.

Architect—None.

Contractor—John R. Faulkes, 9828 E-14th, Oakland.

COST, \$1200

#### APARTMENTS

(1718) E COLLEGE AVE 60 S Garber, Berkeley. Two-story 16-room apartments.

Owner—Edw. Larmer, 470 Boulevard Way, Oakland.

Architect—None.

Day's work. COST, \$10,000

#### OFFICE BUILDING

(1719) SIXTEENTH bet. San Pablo and Telegraph Aves., Oakland. All work for four-story reinforced concrete office building.

Owner—East Bay Water Co., 9th and Broadway, Oakland.

Architect—Wm. Knowles, Hearst Bldg San Francisco.

Day's work. COST, \$130,000

#### DWELLING

(1720) PTN LOTS 3, 4, and 5 Bk 12, Havenscourt, Oakland. All work for four-room dwelling.

Owner—Emma V. Collier, Oakland.

Architect—None.

Contractor—Wm. J. Baker, Oakland. Filed Aug. 8, '19. Dated July 29, '19.

Frame up ¼

Plastered ¼

Completed and accepted ¼

Usual 35 days ¼

TOTAL COST, \$2221

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

#### DWELLING

(1721) SW COR. ASHBY AND PINE Aves, 80v54, being Lot 21 Pine Terrace, Berkeley. All work for eight room dwelling and garage.

Owner—A. M. Lester, Berkeley.

Architect—None.

Contractor—C. Texdahl, Oakland. Filed Aug. 8, '19. Dated Aug. 6, '19.

Ready for plaster ¼

Brown coated ¼

Completed and accepted ¼

Usual 35 days ¼

TOTAL COST, \$9665

Bond, none. Limit, 95 days. Forfeit, none. Plans and specifications filed.

(1722) W CLAY 25 S Sixth, Oakland. One-story brick store.

Owner—Newman & Korn, 525 Clay, Oakland.

Architect—None.

Contractor—F. W. Maurice, 615 15th, Oakland.

COST, \$4500

**ADDITION**  
(1723) E FRANKLIN 400 N 14th,  
Oakland. One-story brick addition  
to theatre.

Owner—Wm. E. Miller Estate, Syndi-  
cate Bldg., Oakland.

Architect—Edw. T. Foulkes, Crocker  
Bldg., San Francisco.

Day's work. COST, \$4000

**BRICK GARAGE**  
(1724) W GROVE 400 S 51st, Oak-  
land. One-story brick garage.

Owner—H. E. Ozont, 1801 Ashby  
Ave., Berkeley.

Architect—None.  
Contractor—Alfred Olsen, 565 16th,  
Oakland.

COST, \$9000

**ALTERATIONS**  
(1725) NO. 476 THIRTEENTH ST.,  
Oakland. Alterations and marquee  
Owner—Chinn Beretta Optical Co.,  
Premises.

Architect—None.  
Contractor—S. Kulchar & Co., 8th Av  
and E-10th, Oakland.

CGST, \$2000

#### COVER PIPES, ETC.

(1726) PTN 40 S and 30 W of S line  
First and W line Jefferson W 50 S  
50 W 100 S 60 E 150 N 110, Oak-  
land. All work for covering pipes,  
valves, etc., with National Magnesite  
Owner—Pacific Gas & Electric Co.  
Architect—None.

Contractor—Ralph M. Bundscher and  
Charles K. Brown (as Asbestos  
Co. of California).

Filed Aug. 9, '19. Dated Aug. 5, '19.  
Completed. 75%  
Usual 35 days. TOTAL COST, \$1830  
Bond, \$915. Surety, American In-  
demnity Co. Limit, 60 days. Forfeit,  
none. Plans and specifications filed.

**ALTERATIONS**  
(1727) NO. 2001-7 FRUITVALE AVE  
Oakland. Alterations.

Owner—G. A. Boehme.

Architect—None.  
Contractor—Oliver Duval & Son, Dal-  
ziel Bldg., Oakland.

COST, \$1450

#### COMPLETION NOTICES.

##### Alameda County.

Recorded Accepted  
Aug. 4, 1919—LOT 44 BLK 6 Key  
Route Terrace No. 3, Bkly. Fred  
C and Lorene M Bertheaud to  
whom it may concern July 14, 1919  
Aug. 5, 1919—LOTS 56 AND 57 Map  
Bowie Ppty, Piedmont. Mrs A  
Boge to Alfred Cords. Aug. 5, 1919  
Aug. 4, 1919—POINT 50 FEET S  
from SE Cor. 24th and San Pablo  
Ave E 103 S 50 W 88 N 56, Okd.  
M C Chapman to J F Dingwell...  
May 30, 1919

Aug. 5, 1919—NO. 2434 TELE-  
graph Ave, Bkly. Edward E  
Niehaus Co, Inc by James W  
Plachek to Phil Sheridan.....  
August 5, 1919

Aug. 6, 1919—LOT 24 BLK "M"  
Northbrae Terrace, Bkly. Ralph  
R Eltse to H H Schuessler.....  
August 4, 1919

Aug. 6, 1919—LOT 3 BLK "C"  
Northbrae Terrace, Bkly. Mary

E Krosca to E I Krosca.....Aug. 5, '19  
Aug. 7, 1919—E 20 LOT 95 and W  
25 Lot 96 Fourth Ave Terrace  
Extension, Okd. Katherine Houck  
to whom it may concern.....

August 6, 1919  
Aug. 7, 1919—(1) NW CARLTON &  
Milvia; (2) E Carlton 50 W Milvia  
(3) W Milvia 80 N Carlton; (4)  
NE Carlton and Milvia; (5) N  
Carlton 50 E Milvia; (6) N Car-  
lton 98 E Milvia; (7) E Milvia 80  
N Carlton, Berkeley. Fidelity  
Mortgage Securities Co. of Calif  
to Allen J Hillam.....Aug. 5, 1919

#### NOTICE OF NON-RESPONSIBILITY.

##### Alameda County.

Aug. 6, 1919—SW CENTRAL AVE &  
Park Ave S 120xW 80, Ala. Chas  
W Cowan, Lily and G F Wilson as  
to improvements on leased prop-  
erty.....

#### OAKLAND BUILDING TOTALS.

Issued by the Building Department,  
Oakland, for the Month of July, 1919.

Classifications of Buildings	No. of Permits	Costs
1-story dwellings.....	88	\$211,000
1½-story dwellings.....	5	14,400
2-story dwellings.....	7	45,040
2-story flats.....	4	33,942
2-story apartments.....	3	27,500
3-story apartments.....	1	31,500
1-story stores.....	3	2,900
1-story schools.....	13	15,600
2-story concrete Wel- fare building.....	1	6,000
1-st concrete ware- house.....	1	24,000
1-story concrete ga- rages.....	1	10,969
2-story frame and con- crete store room.....	1	11,000
Concrete oil tank.....	1	1,200
Concrete platform.....	1	665
1-story brick garages	2	13,990
1-story brick restau- rant building.....	1	18,000
1-st brk boiler room	1	2,000
1-st brk oil station.....	1	400
Wharf.....	1	9,900
Boat house.....	1	4,500
Band stand.....	1	12,000
1-story machine shop	1	2,000
1-story warehouse.....	1	800
Electric signs.....	4	1,025
Garages & sheds.....	73	15,572
Barn.....	1	400
Addition.....	52	17,246
Alterations & repairs	111	62,979
Total.....	381	\$596,528

#### SUMMARY.

Total.....	381	\$596,528
New construction.....	270	\$533,549
Alterations & repairs	111	62,979

#### BUILDING CONTRACTS.

##### Santa Clara County.

**FACTORY**  
COR. MARGARET AND FOURTH  
Sts., San Jose. Brick factory build-  
ing.  
Owner—H. G. Knapp & Son, 1022 S-  
First St., San Jose.  
Architect—W. C. Phillips, 158 Pierce  
Ave., San Jose.

Contractor Al Compton, N-17th St.,  
San Jose.

COST, \$8000

#### COTTAGE

N-TWELFTH ST., bet. Washington  
and Empire, San Jose. Sly-room  
cottage.

Owner—Mrs. M. Pettigrew, 203 S-17th  
St., San Jose.

Architect—None.

Contractor—D. R. Spooner, 203 S-17th  
St., San Jose.

COST, \$3000

#### CH -

##### ALTERATIONS

NO. 345 E-SAN ANTONIO ST., San  
Jose. Alter into apartments.

Owner—Mrs. M. Hayward, Premises.  
Architect—Wolfe & Higgins.

Contractor—S. B. Cunningham, Little  
Delmas.

COST, \$2000

#### ADDITION

NO. 310 SAN SALVADOR ST., San  
Jose. Addition and repairs.

Owner—F. A. Turner, Premises.  
Architect—None.

Day's work. COST, \$400

#### ALTERATIONS

ST. MARY AND ALAMEDA STS., San  
Jose. Alterations.

Owner—H. B. Kooser Estate.  
Architect—None.

Contractor—E. E. Weldon.

COST, \$500

NE MARGARET ST., and right-of-  
way of S. P. Railroad, San Jose.  
All work for brick and corrugated  
iron building (owner to furnish  
material).

Owner—H. G. Knapp & Son, 305 S-  
11th St., San Jose.

Architect—W. C. Phillips, 158 Pierce  
St., San Jose.

Contractor—Al Compton, 547 N-17th  
St., San Jose.

Filed Aug. 4, '19. Dated Aug. 4, '19.  
On 1st and 8th of each month 75%  
Usual 35 days..... 25%

TOTAL COST, \$7848

Bond, \$2500. Sureties, Walter and  
Otto Schnabel. Limit, 44 days. For-  
feit, none. Plans and specifications  
filed.

#### GARAGE

SW STATE HIGHWAY AND MT.  
View and Saratoga Road, near Sun-  
nyvale. All work for garage bldg.

Owner—Cockrell & Nielsen, Sunny-  
vale, Cal.

Architect—H. A. Spreen, Sunnyvale.  
Contractor—H. A. Spreen, Sunnyvale.

Filed Aug. 4, '19. Dated Aug. 1, '19.  
All bills to be paid by owners  
40 days after completion.....

TOTAL COST, \$4700

Bond, limit, forfeit, none. Specifica-  
tions only filed.

#### COMPLETION NOTICE.

##### San Mateo County.

Recorded Accepted  
Aug. 2, 1919—LOT N BLK 2, Bur-  
lingame Terrace, Burlingame.  
Sidney W and Helen B Toyler to  
Broderick & Mayes.....July 28, 1919

**COMPLETION NOTICES.****Santa Clara County.**

Recorded Accepted  
 Aug. 4, 1919—KIFER AND COFFIN  
 Roads nr Santa Clara. C T Clif-  
 fords to G H Frith.....May 1, 1919  
 Aug. 4, 1919—CAMPUS OF STAN-  
 ford University, Palo Alto. Board  
 of Trustees, Stanford University  
 to Van Fleet-Freear Co.....  
 .....July 26, 1919

**COMPLETION NOTICES.****Marin County.**

Recorded Accepted  
 Aug. 4, 1919—SAUSALITO. John  
 Cousti to whom it may concern.....  
 .....July 15, 1919

**COMPLETION NOTICES.****Fresno County.**

Recorded Accepted  
 July 30, 1919—LOTS 25 & 26 BLK  
 1, Allen & Binford Tract, Fresno.  
 Virginia E Rector to whom it  
 may concern.....June 17, 1919

**BUILDING CONTRACTS.****Sacramento County.**

DWELLING  
 NOS. 1004-6 FORTY-FIRST ST., Sacra-  
 mento. Seven-room frame dwell-  
 ing and garage.  
 Owner—J. H. Donnelly.  
 Architect—None.  
 Contractor—A. W. Norris.  
 COST, \$5430

FRAME DWELLING  
 NO. 1416 FORTIETH ST., Sacramento  
 Two-story frame dwelling.  
 Owner—Wright & Kimbrough, 817 J  
 St., Sacramento.  
 Architect—None.  
 Contractor—E. A. Corum, 2533 Portola  
 Way, Sacramento.  
 COST, \$4900

DWELLING  
 NO. 2317 PORTOLA WAY, Sacra-  
 mento. Two-story frame dwelling.  
 Owner—J. C. Carley, 1700 G St., Sacra-  
 mento.  
 Architect—None.  
 Contractor—E. A. Corum, 2533 Portola  
 Way, Sacramento.  
 COST, \$3900

DWELLING  
 NO. 2048 FOURTH AVE., Sacramento.  
 Two-story frame dwelling.  
 Owner—J. C. Carley, 1700 G St., Sacra-  
 mento.  
 Architect—None.  
 Contractor—E. A. Corum, 2533 Portola  
 Way, Sacramento.  
 COST, \$4200

REMODEL  
 W 40-4 S 8-7 LOT 8, I, J, 3rd and  
 4th Sts., Sacramento. Improve and  
 remodel three-story brick building.  
 Owner—Cornelia E. Fratt.  
 Architect—None.  
 Contractor—Chas. Vanina & Son.  
 COST, \$18,407.50

DWELLING

NO. 2216 THIRD AVE., Sacramento.  
 Two-story frame dwelling.  
 Owner—J. C. Carley, 1700 G St., Sacra-  
 mento.  
 Architect—None.  
 Contractor—E. A. Corum, 2533 Portola  
 Way, Sacramento.  
 COST, \$4600

**APARTMENTS**

NO. 1515 THIRTEENTH ST., being  
 S 45 feet Lot 1 Blk O, P, 13th and  
 14th Sts., Sacramento. Two-story  
 frame (8) apartments.  
 Owner—L. C. Billups.  
 Architect—None.  
 Contractor—W. B. Ladue, 2319 O St.,  
 Sacramento.  
 COST, \$22,000

**BUILDING CONTRACTS.****San Joaquin County.**

FRAME DWELLING  
 LANE'S ADDITION, Stockton. Frame  
 dwelling.  
 Owner—Ramsey-Emerson Co., Rec-  
 ord Bldg., Stockton.  
 Architect—None.  
 Day's work. COST, \$1500

STEEL SHED  
 N WATERFRONT, Stockton. Erect  
 steel shed.  
 Owner—City of Stockton.  
 Architect—None.  
 Day's work. COST, \$16,769

ALTERATIONS  
 CHANNEL ST., bet. Grant and Aurora  
 Sts., Stockton. Alterations.  
 Owner—O. A. Martin.  
 Architect—None.  
 Day's work. COST, \$1000

DWELLING  
 LAKE PARK, Stockton. Erect frame  
 dwelling and garage.  
 Owner—A. L. Healey, 89 San Joaquin  
 Bldg., Stockton.  
 Architect—None.  
 Day's work. COST, \$3700

FRAME BUILDING  
 SUNSET ADDITION, Stockton. Erect  
 frame building.  
 Owner—Paul Williamson, 548 N-  
 Sutter St., Stockton.  
 Architect—None.  
 Day's work. COST, \$1250

ADDITION  
 AURORA ST., bet. Washington and  
 Lafayette Sts., Stockton. Addition.  
 Owner—H. C. Shaw, Weber St., Cor.  
 California, Stockton  
 Architect—None.  
 Day's work. COST, \$7500

ALTERATIONS  
 SAN JOAQUIN ST., bet. Church and  
 Hazelton, Stockton. Alter frame  
 building.  
 Owner—Thos. Blair, 517 S-San Joa-  
 quin St., Stockton.  
 Architect—None.  
 Day's work. COST, \$57,000

COTTAGES  
 WILLOW AND MONROE STS., Stock-  
 ton. Two cottages.  
 Owner—J. O. Gossett, Y. M. C. A.  
 Bldg., Stockton.  
 Architect—None.  
 Day's work. COST, \$1900 each

FRAME DWELLING  
 OPHIR ST., bt. Poplar and Accacia  
 Sts., Stockton. Frame dwelling.  
 Owner—A. G. Prato, 830 E-Church  
 St., Stockton.  
 Architect—None.  
 Day's work. COST, \$2800

BUILDINGS AND GARAGES  
 SPERRY'S ADDITION, Stockton.  
 Two frame buildings and garages.  
 Owner—W. L. Cooley.  
 Architect—None.  
 Day's work. COST, \$3000 each

**COMPLETION NOTICES.****San Joaquin County.**

Recorded Accepted  
 July 21, 1919—LOT 10 BLK 3 Lake-  
 side Terrace, Stockton. Albert G  
 Myran to C W Beck.....April 29, 1919

**LIENS FILED.****San Joaquin County.**

Recorded Amount  
 July 23, 1919—LOT 17 BLK 10 Sub  
 No. 2, Texedo Park, Stockton.  
 Simpson-Gray Lumber Co vs  
 Walter Price and Chas Garfield  
 .....\$709.92

**HIGHWAY BIDS WANTED.**

OLYMPIA, Wash.—In addition to  
 other projects the State Highway  
 Commission will receive bids up to  
 August 25th, for the following  
 stretches of highway: The improving  
 of the Olympic Highway from Lake  
 Quinalt northwest as follows: Clear-  
 ing, grading, draining, and gravel sur-  
 facing of 5.5 miles of road in Grays  
 Harbor County, west side Lake Quin-  
 ault, 5.6 miles in Harbor County; 6  
 miles in Grays Harbor and Jefferson  
 Counties and 6.5 miles in Jefferson  
 County.

**DURHAM SCHOOL BIDS WANTED.**

DURHAM, Butte Co., Cal.—Bids  
 will be received by the Trustees of  
 the Durham School District up to  
 August 18th, 2 P. M., for the con-  
 struction of the new school building.  
 Bids received on this work some time  
 ago were rejected as being too high.  
 Bids will now be taken from revised  
 plans. The building will cost about  
 \$35,000. W. H. Weeks, 75 Post Street,  
 San Francisco, is the architect for the

**ROAD AND BRIDGE BIDS WANTED**

SAN JOSE, Santa Clara Co., Cal.—  
 Bids have been ordered received by  
 the Supervisors up to September 2nd,  
 11 A. M., for the improvement and  
 construction of the following roads  
 and bridges:

Improvement of Fleming avenue  
 and King road and construction of  
 concrete bridge on Alum Rock avenue  
 over the Arroyo Pescuezo, all in Su-  
 pervisor District No. 3; also for the  
 construction of concrete culverts and  
 grading and shaping of the Bodfish  
 mill road in Supervisor District No.  
 1; also for reinforced concrete bridge  
 on Sladky road over Permanente creek  
 in Supervisor District No. 5; all in  
 the county of Santa Clara.

Plans may be had from Henry A.  
 Pfister, County Clerk.

**LOS ANGELES COUNTY ROAD BIDS WANTED.**

LOS ANGELES, Cal.—Until 2 P. M., August 18, bids will be received by the Supervisors of Los Angeles County for constructing an oil macadam road with disintegrated granite base on Sierra Madre road, Hovey Ave., A St., and Reed road in Road Improvement District No. 149, in accordance with plans and specifications on file at the office of the board. The road to be improved extends from Lancaster to Redman in Antelope valley and is 14.19 miles in length. The macadam paving will be 18 feet in width, 5 in. thick, with disintegrated granite base 4 in. thick and disintegrated granite shoulders. The granite base was laid on a little more than half the length of the road during the war. Following are the approximate quantities: Excavation, 17,223 cu. yds.; shaping roadbed, 74,923 lin. ft.; concrete in culvert, 2.15 cu. yds.; reinforcing steel, 11 lbs.; 18-in. corrugated metal pipe, 32 lin. ft.; oil macadam, hauling

and placing, 23,500 tons; oil macadam, furnishing, hauling and placing, 21,460 tons; disintegrated granite for base, shoulders and dips, furnishing, hauling and placing, 1850 tons; average haul for macadam, 7 miles; average haul for granite, 5 miles. About 3500 bls. of oil will be required. The county will furnish rock only to the value of \$50,000. Estimated cost to contractor, not including rock furnished by county, \$197,200. Estimated total completed cost, \$252,950.22.

**STREET WORK BIDS WANTED.**

COLUSA, Colusa Co., Cal.—Bids will be received by the City Trustees, B. L. McCue, City Clerk, up to August 25th, 8 p. m., for grading the roadway and paving with bitulithic pavement, consisting of an hydraulic concrete base and bitulithic wearing surface, and constructing curbs, gutters and culverts, and installing monument cases on the following portions of streets: That portion of Main St. between the East and West side, respectively, of First, Second, Third, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth, Tenth and Eleventh streets; also that portion of Market street between the East and West line of Twelfth street. Also that portion of Fourth street between the North and South sides of Jay street and between the North and South lines extended of the alley between Jay and Market streets; between the North and South line of the alley between Market and Main streets. Also that portion of Sixth and Seventh streets between the North and South boundary of the alley between Market and Main streets and that portion of Fifth street between the North and South line of the alley between Main and Levee streets.

**MERCED COUNTY HIGHWAY AND BRIDGE BIDS WANTED.**

MERCED, Merced Co., Cal.—Bids will be received by the Merced County Supervisors up to August 18th, 10 A. M., for the following county highway projects:

For the improvement of Merced-Snellings-Merced Falls Road, Section 1.

For the improvement of Atwater-

Winton Road, Section 1.

For the improvement of Merced-Snellings-Merced Falls Road, Section 2.

For the improvement of Hilmar-Irwin-Stevenson Road, Section 1.

For the improvement of Dos Palos Road, Section 3.

For each of the above projects the county will furnish cement, coarse and fine aggregate.

For the construction of 3 reinforced concrete bridges as follows:

Bridge No. 44 on State Highway between Atwater and Livingston and over Atwater canal in section 2, township 7 south, range 12 east about 1¼ miles north and west of Atwater.

Bridge No. 69 on State Highway between Merced and Atwater and over Black Rascal canal between sections 22 and 23 of township 7 south, range 13 east about 1¼ miles north and west of Merced.

Bridge No. 70 on State Highway between Athlone and Chowchilla and over Dutchman creek in section 3, township 9 south, range 15 east, 2½ miles south of Athlone.

Further information may be had from P. J. Thornton, County Clerk.

**BIDS WANTED FOR MARE ISLAND BUILDINGS.**

Bureau of Yards and Docks, Navy Department, Washington, D. C.—Sealed bids are wanted until August 13, Specification 3991, for torpedo storage, compressor and separation building at Mare Island, Calif. Estimated cost, \$60,000.

The following firms have taken out plans for this work.

L. A. Conn Iron Works, Borden and Van Pelt avenue, Long Island City, N. Y.

Mesker Bros. Iron Co., 6th, Poplar and 7th streets, St. Louis, Mo.

Lange & Bergstrom, 206 Sharon Bldg., San Francisco, Calif.

Wm. Bayley, Woodward Bldg., Washington, D. C.

American Bridge Co., Washington, D. C.

Truscon Steel Co., Washington, D. C. LaCour Iron Works, Long Island City, N. Y.

**BIDS WANTED FOR THREE REINFORCED CONCRETE BRIDGES.**

REDWOOD CITY, San Mateo Co., Cal.—Bids will be received by the Redwood City Trustees up to August 25th, 8 P. M., for the following bridge improvements:

Constructing a reinforced concrete bridge across Redwood Creek on Broadway between Washington St. and Main St.

Constructing a reinforced concrete bridge across branch of Redwood Creek on Webster street between East Jefferson avenue and Broadway.

Constructing a reinforced concrete bridge across branch of Redwood Creek on Maple street between Southern Pacific Company right of way and Franklin street, and channel excavation included therewith. Further information may be had from City Clerk W. A. Price.

**WATER TANK AND FRAME BIDS WANTED.**

GREEN VALLEY, Santa Cruz Co., Cal.—Bids are being received by the Trustees of the Green Valley School District, P. H. Litchfield, Clerk, for the construction of a water tank with frame on the school property.

Plans were prepared by Architect Ralph Wyckoff, Paiaro Valley National Bank Bldg., Watsonville.

**STATE HIGHWAY BIDS WANTED.**

SACRAMENTO, Cal.—Bids will be received by the State Highway Commission, 515 Forum Bldg., Sacramento, up to 2 p. m., September 2nd, for the construction of the following stretches of highway:

Humboldt County, between Beatrice and Eureka (I-Hum-1-G), about 7.9 miles in length, to be paved with Portland cement concrete.

Stanislaus County, between Oakdale and Easterly Boundary (III-Sta-13-B), about 12.8 miles in length to be paved with Portland cement concrete.

Orange County, between Galivan and Irvine (VII-Ora-2-B), about 9.4 miles in length to be paved with Portland cement concrete.

(For official proposal see Daily Pacific Builder.)

**VENTILATING FAN AND HEATING SYSTEM ADDITION BIDS WANTED.**

SACRAMENTO, Cal.—Bids will be received by the Board of Education of the Sacramento City School District up to August 21st, 10 A. M., for installing ventilating fan and making changes and additions in heating system for William Land School in the block bounded by 11th and 12th, U and V street.

Further information may be had from Chas. C. Hughes, Secretary of the Board of Education, City Hall, Sacramento.

**STREET & SEWER BIDS WANTED.**

RICHMOND, Contra Costa Co., Cal.—Bids will be received by the City Council, A. C. Faris, City Clerk, up to August 18th, 8:30 P. M., for the following street improvements:

That 6 inch sewers of standard salt glazed, vitrified sewer pipe be constructed in the Brown Andrade Tract, in Garvin Ave. between Thirteenth and Fourteenth Sts and between Twenty-first and Twenty-third streets in Burbeck Ave. between Thirteenth and Twentieth streets and between Twenty-first and Twenty-third Sts.; in Thirteenth St. between Lucas and Clinton Aves.; and in Twenty-first and Twenty-second Sts. between Garvin and Burbeck Aves.

That manholes of brick and cement concrete, with cast iron rims and covers, lampholes of standard salt glazed, vitrified sewer pipe, with cast iron rims and covers, and wye branches of standard salt glazed, vitrified sewer pipe, be constructed on said sewers.

NOTE.—Contract for this work was awarded to L. L. Page but owing to an error in the proceedings he was allowed to withdraw from the contract.

**BIDS WANTED FOR SCHOOL BONDS**

HANFORD, Kings Co., Cal.—Bids will be received by the County Supervisors for the purchase of the \$4,500

bond issue of the Eucalyptus School District up to August 16th. Proceeds of the sale will finance construction of school improvements.

That Twenty-fifth, Twenty-sixth and Twenty-eighth streets, between the N and S boundary lines of Richmond Fifth Addition, be graded and paved with a 5 inch cement concrete base, and a wearing surface of asphalt and broken rock; that curbs, gutters, sidewalks and wing walls of cement concrete be constructed, and that curbs and gutters of cement concrete be reconstructed on Twenty-fifth St. between the S line of Richmond Fifth Addition, and Grant Avenue.

#### REINFORCED CONCRETE BRIDGE BIDS WANTED.

SAN RAFAEL, Marin Co., Cal.—Bids will be received by the Marin County Supervisors, Rob E. Graham, County Clerk, up to August 18th, 2 P. M., for the construction of a reinforced concrete bridge on the State Highway leading from Petaluma to San Rafael at Station 629x70 of the State Highway Survey.

#### BRIDGE BIDS WANTED.

HELENA, Montana.—Paul Pratt, Montana State Highway Engineer, has completed plans and specifications for two large concrete bridges to be erected at Great Falls, Montana. Bids have been ordered received up to August 25th.

Both structures will cost in the neighborhood of \$467,000.

#### STREET WORK BIDS UNDER ADVERTISEMENT.

SACRAMENTO, Cal.—Bids received by the City Commissioners, M. J. Desmond, City Clerk, for the lowering of the grade on Twenty-first street at the Y street levee have been referred to the Street Department for report. Bids were received from the following firms: Clark & Henry Construction Company, McGillivray Construction Company, and A. Telchert & Son.

#### ROAD MACHINE BID UNDER ADVERTISEMENT.

SACRAMENTO, Cal.—The bid of the Spears-Wells Machine Co., of Oakland, for furnishing and delivering to the city of Sacramento one street planer and scarifier, has been referred to the Street Department for report.

M. J. Desmond is City Clerk of Sacramento.

#### MODESTO IRRIGATION DISTRICT WANTS BIDS FOR CONCRETE SPILLWAYS AND LATERAL EXTENSION.

WATFORD, Stanislaus Co., Cal.—Bids will be received by the Directors of the Watford Irrigation District, J. R. Brander, Secretary, up to August 20th 10 A. M., for work under four separate sections:

Section 26—Which is the construction of a concrete spillway, and a 24-inch diameter steel, reinforced concrete, or concrete and steel pipe siphon on Lateral 3B crossing Dry Creek.

Section 30—Which is the construction of a concrete spillway for Lateral B into Salter Ravine, and of

an earth fill dam with concrete lateral headgate and concrete wasteway in Salter Ravine near the Watford-LA Grange road.

Section 31—Which is the construction of a reinforced concrete spillway for the Lower Main Canal into Tuolumne River at a point approximately one mile southwest of the town of Watford.

Section 32—Which is the extension of Lateral No. 12 through approximately one-quarter of a mile of open canal, the construction of one wooden drop and two concrete pipe chutes; all approximately three and one-half miles southwest of the town of Watford.

More detailed information as to character and approximate quantities of work and location may be obtained upon request from the Secretary of the Board of Directors. A deposit of \$5.00 is required upon all plans and specifications.

All bids are to be compared upon the basis of the Chief Engineer's estimate of the quantities of work to be done, and award of contract or contracts will be made to the lowest responsible bidder or bidders, subject to the right of the Board of Directors to reject any or all bids.

#### COMFORT STATION BIDS WANTED

SACRAMENTO, Cal.—Bids will be received by the City Commissioners, M. J. Desmond, City Clerk, up to August 28th, for the erection of a cor fort station and tool house in the City Cemetery.

Further information and plans may be had from the City Clerk.

#### BIDS WANTED FOR PURCHASE OF BATH HOUSE BONDS.

COLUSA, Colusa Co., Cal.—Bids are being received for the purchase of the recently voted \$20,000 issue of municipal bath house bonds. Further information regarding the sale may be had from B. L. McCue, City Clerk.

#### STREET WORK BIDS WANTED.

MERCED, Merced Co., Cal.—Bids will be received by the City Trustees, J. D. Wood, City Clerk, up to August 18th, 8 P. M., for the following improvements:

That the alley in Block 106 be graded, curbed with concrete curbs, paved with a four-inch hydraulic cement concrete base.

That the alley in Block A be graded curbed with concrete curbs, paved with a four-inch hydraulic cement concrete base, and that drains with manholes of concrete and cast iron be constructed therein.

#### CHICO TO CALL PAVING BIDS.

CHICO, Butte Co., Cal.—Bids will be ordered received within the next few days by the City Trustees for the paving of Fourth street from Main to the Fourth street entrance of Bidwell Park. Plans for the work have already been approved.

#### NO BIDS RECEIVED FOR WASHOE SUMMIT TO STEAMBOAT SPRINGS SECTION OF NEVADA STATE HIGHWAY.

CARSON CITY, Nevada.—No bids were received by the Nevada State Highway Commission for the construction of Section A-1, Route 3,

Washoe County, Washoe Summit to Steamboat Springs highway and it is probable that new bids will be called for. The estimate of the State Engineer for the work is \$61,658.

#### ROAD ESTIMATES ORDERED.

OROVILLE, Butte Co., Cal.—The Supervisors have instructed Martin Polk, County Engineer, to prepare plans and estimates of cost for constructing a road leading from Myers street into the territory now occupied by the canneries.

#### SANTA CRUZ COUNTY HIGHWAY STREET WORK BIDS WANTED.

REDWOOD CITY, San Mateo Co., Cal.—Up to August 18th, 8 p. m., bids will be received by the City Trustees for the improvement of Maple street from Franklin street to El Camino Real. The improvements are to consist of a concrete retaining wall along the westerly bank of the Maple street creek for a distance of 130 feet for the purpose of holding up the roadway and the paving of a portion of the roadway of Maple street 20 feet wide with crushed rock and asphaltic road oil. The estimated cost of the work is \$5,000.

#### ROAD BOND ELECTION PLANNED.

ABERDEEN, Wash.—The City Council has voted to call a special election to issue bonds for \$125,000 to build a permanent road in place of the long trestle now giving entrance to the city from the east. The election will be held August 26th.

#### STREET WORK BIDS WANTED.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, will receive bids up to August 18th, 8 p. m., for street improvements as follows:

That E street from Fresno street to Merced street be (1) Graded between curb lines; (2) curbed and guttered with cement concrete curb and gutter and (3) paved between gutter lines with a pavement consisting of a 4-inch cement concrete base and a bitulithic wearing surface 1½ inches thick.

That Ventura avenue from R street to P street be (1) graded between property lines; (2) curbed and guttered with cement concrete curb and gutter; (3) culverted with corrugated iron culverts, and (4) paved with a pavement consisting of a cement concrete base 4 inches thick and a bitulithic wearing surface 1½ inches thick.

That Thomas avenue from Blackstone avenue to San Pablo avenue be: (1) Graded between property lines; (2) curbed with cement concrete curb, (3) sidewalked with artificial stone sidewalk, (4) oiled between curb lines.

That the north side of Cambridge avenue between Maroa avenue and Wishon avenue be: (1) Curbed with cement concrete curb, and (2) sidewalked with artificial stone sidewalk.

#### BRIDGE BIDS WANTED.

HANFORD, Kings Co., Cal.—Bids have been ordered received by the City Trustees up to August 26th for construction of a bridge across Kings River near Kingsburg.

## BIDS WANTED FOR SCHOOL SANITARY AIR PRESSURE WATER SYSTEM.

DELTA VIEW, Kings Co., Cal.—Bids will be received by the Trustees of the Delta View School District, up to August 19th, 6 p. m., for the installation of a sanitary air pressure water system, the tank of said system to comply with the school laws of the State of California, and the pump to deliver 900 gallons of water per hour. The Board reserves the right to reject any or all bids.

Bids will be received by the Clerk, S. M. Ingram, at his home address, Route 1, Box 34, Hanford, California.

## HIGHWAY BIDS WANTED.

BOISE, Idaho.—Bids will be received by the Commissioner of Public Works of the State of Idaho until 2 p. m., August 22, for the construction of 30.5 miles of the north and south State highway, in Adams and Idaho Counties between New Meadows and Whitebird. Plans, specifications and other information may be obtained at the office of the Director of Highways, Boise, Idaho, and at the Employers' Association of the Inland Empire, Hutton Bldg., Spokane, Wash.

## OREGON HIGHWAY COMMISSION REJECTS HIGHWAY BIDS.

PORTLAND, Ore.—The State Highway Commission, Yeon Bldg., Portland, has rejected all bids received for the West Side Highway from Corvallis south. The work covers approximately 7.95 miles of grading and paving.

## RETAINING WALL BIDS WANTED.

REDWOOD CITY, San Mateo Co., Cal.—Bids will be received by the County Supervisors, Elizabeth M. Nash, County Clerk, up to September 2nd, 10 A. M., for the construction of a retaining wall on the Redwood City to La Honda Road in the Third Road District.

Plans are on file at the office of the County Clerk in Redwood City.

## GRADING BIDS WANTED.

NAPA, Napa Co., Cal.—Bids have been ordered received by the County Supervisors, Jas. A. Daly, County Clerk, up to August 19th, 10 a. m., for grading a portion of the county highway beginning in the Napa-California road near the north boundary of the town of Yountville and extending northerly on or near said road to a point 1 1/4 miles distant from the point of beginning.

Bids were also ordered received to close on the same date for the grading of a portion of the county road between St. Helena, and the St. Helena Sanitarium, from a point where said road crosses Napa River and extending to the forks of the road near the Food Factory.

The estimated cost of the work, including the materials to be furnished by Napa County is \$4,000.00.

## CHEMICAL AND SCIENCE SUPPLY BIDS WANTED.

OAKLAND, Cal.—Bids will be received by the Board of Education, Dan W. Pratt, Secretary, Room 1101 City Hall, up to August 18th, 4:30 P. M., for furnishing certain chemical and science supplies.

## BRIDGE APPROACH IMPROVEMENT BIDS WANTED.

FRESNO, Fresno Co., Cal.—Bids will be received by the City Clerk, Chas. Dillon City Clerk, up to 8 p. m., August 18th, for furnishing labor and materials for the improvement of the approaches of the Park Boulevard bridge.

Plans and further information may be had from the City Clerk at Fresno.

## STATE OF CALIFORNIA.

### DEPARTMENT OF ENGINEERING.

#### CALIFORNIA HIGHWAY COMMISSION

##### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 2, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows: Humboldt County, between Beatrice and Eureka (1-Hum-1-6), about 7.9 miles in length to be paved with Portland cement concrete.

Stanislaus County, between Oakdale and Easterly Boundary (III-Sta-13-B), about 12.8 miles in length to be paved with Portland cement concrete.

Orange County, between Galivan and Irvine (VII-Or-2-B), about 9.4 miles in length to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated.

The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,  
CHARLES A. WHITMORE,  
GEO. C. MANSEFIELD,  
California Highway Commission.  
AUSTIN B. FLETCHER,  
Highway Engineer.  
WILSON R. ELLIS, Secretary.

Dated: August 4, 1919.  
Aug 9-16-23-30

## STATE OF CALIFORNIA.

### DEPARTMENT OF ENGINEERING.

#### CALIFORNIA HIGHWAY COMMISSION

##### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on August 27, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Lake County, between the westerly boundary and Lakeport (I-Lake-16-A), about 9.4 miles in length to be graded.

Santa Barbara County, between Divide and Orcutt (V-S-B-2-A), about 2.6 miles in length to be paved with Portland cement concrete.

Ventura County, between the southerly boundary and Conejo Grade (VII-Ven-1-B), about 5.2 miles in length to be paved with Portland cement concrete.

Los Angeles County, between Lankersheim Boulevard and South Sherman Way (VII-L.A.-9-A) about 5.2 miles in

length, to be paved with Portland cement concrete and asphaltic surfacing.

Los Angeles County, between Russell Ranch and the westerly boundary (VII-L.A.-2-C), about 1.3 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,  
CHARLES A. WHITMORE,  
GEO. C. MANSEFIELD,  
California Highway Commission.  
AUSTIN B. FLETCHER,  
Highway Engineer.  
WILSON R. ELLIS, Secretary.

Dated: July 28 1919

## BIDS FOR BORING AT FREMONT WEIR SITE WANTED.

SAN FRANCISCO.—Engineer Office, U. S. Army, Room 405, Customhouse, San Francisco, will receive bids up to August 20th, 10 A. M., for borings at the Fremont Weir site on the Sacramento River about twenty-five miles above Sacramento. The borings are for the purpose of determining the character of the foundation of the Fremont Weir. About 43 borings will be required to complete the work.

## SIDEWALK BIDS WANTED.

SAN LEANRO, Alameda Co., Cal.—The City Trustees have passed a resolution of intention providing for the construction of cement sidewalks 5 feet in width on both sides of Estudillo avenue between East Fourteenth street and Santa Clara avenue. J. J. Gill is City Clerk.

## HARBOR BOARD WANTS PAVING BIDS.

SAN FRANCISCO.—Bids will be received by the State Board of Harbor Commissioners, Frank G. White, Chief Engineer, Ferry Bldg., up to August 20th, 11 A. M., for paving portions of The Embarcadero along Sections 2 and 3 of the Seawall.

The work will consist of furnishing labor, materials and constructing 50,990 feet of 2 1/2 inch bituminous concrete pavement on standard concrete base; 3,540 sq. ft. of 2 1/2 inch bituminous concrete pavement on special concrete base, or alternative bids for 50,990 sq. ft. of 8 inch concrete base with seal coat wearing surface; 3,540 sq. ft. of special grouted track base with seal coat wearing surface.

E

## DRY DOCK PERMIT HELD UP BY HARBOR BOARD.

SAN FRANCISCO.—The application of the Bethlehem Shipbuilding Corporation to construct a dry dock at their plant has been held up by the State Board of Harbor Commissioners, Frank G. White, Chief Engineer. Favorable action on the appli-

cation was expected. The dock will cost in the neighborhood of \$250,000.

#### Street Work Contract Awarded.

**SALINAS, Monterey Co., Cal.**—The City Council has awarded a contract to the Granite Rock Co., Salinas, for the improvement of Gabilan street between Main and Monterey streets by the breaking up and regarding the surface of the present roadway, and laying an asphaltic oil macadam surface. The bid was  $1\frac{1}{2}$  cents per sq. ft. for breaking up and regrading and  $6\frac{1}{2}$  cents per sq. ft. for macadam surface.

#### STREET AND SEWER WORK PLANNED.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of portions of 56th avenue, between East 14th and East 16th streets, by grading, curbing and paving; also for the improvement of 47th avenue between East 14th street and the SW line of the "Huntington Tract."

#### BIDS REJECTED FOR SUTTER BY-PASS WORK—TO BE DONE BY DAY LABOR.

**SACRAMENTO, Cal.**—The State Reclamation Board, for the third time, has rejected proposals submitted for the Sutter By-Pass work, and has ordered that improvements proceed under the Day Labor system. The following contractors will turn over their equipment and will accept warrants at their face value for services performed: The Ross Construction Co., Sacramento, Cal.; Argyle Construction Co., Sacramento, Cal.; Lisbon Dredging Co., San Francisco, Cal.; Sutter Basin Dredging Co., Sacramento, Cal.; Ajax Dredging Co., San Francisco, Cal.; Antioch Dredging Co., Antioch, Cal.

The saving under the arrangements agreed upon will save the reclamation district close to \$300,000, based upon the previous estimated costs to carry on the work estimated at close to \$3,000,000.

#### DEFER ACTION ON STREET WORK

**SAN MATEO, San Mateo Co., Cal.**—Owing to protests from residents of the Hayward Addition, the City Trustees have laid over the matter of the proposed paving of avenues between B street and the railroad. The matter will be taken up at the next meeting.

#### STREET AND SEWER CONTRACTS AWARDED.

**OAKLAND, Cal.**—The City Council L. W. Cummings, City Clerk, has awarded contracts as follows:

For the construction of sewers in Eighth avenue. Awarded to Oakland Paving Co.

For paving, construction of gutters, curbs, etc., in Short street, and for the paving of Pleasant street from Champion street to Boston avenue and Harvey avenue between 55th and 57th avenues; awarded to Hutchinson Company.

For the construction of sidewalks, culverts, etc., in Fruitvale avenue; awarded to Bates & Dorland.

For the construction of sewers, manholes, etc., in East 14th street awarded to J. Catucci.

#### BUILDING AND ENGINEERING NEWS

#### WOODLAND PLANS ADDITIONAL STREET WORK.

**WOODLAND, Yolo Co., Cal.**—The City Trustees have adopted plans for the improvement of College avenue from Main to Hays street. Specifications call for approximately 96,000 square feet of paving with a grading removal of 3,000 yards of surplus earth to prepare proper grade. Plans were prepared by City Engineer A. G. Proctor.

#### TO BOND FOR MEMORIAL AUDITORIUM AND SCHOOLS.

**SANTA ROSA, Sonoma Co., Cal.**—This city is preparing for the voting of \$250,000 bonds for the erection of a memorial auditorium and two school buildings honoring her soldiers and sailors who served in the war and perpetuating their memory.

#### SCHOOL BONDS SOLD.

**MARYSVILLE, Yuba Co., Cal.**—The \$12,000 bond issue of the Cordua School District has been sold by the County Supervisors. Proceeds of the sale will finance construction of a new school building.

#### SCHOOL BONDS.

**MARTINEZ, Contra Costa Co., Cal.**—An election has been called in the Pleasant Hill School District for Aug. 25th to decide the question of issuing and selling bonds of \$12,000 with which to finance construction of a new school building. S. L. Dukes, Grace A. Putnam and Theodore Hook are trustees of the district.

#### HOSPITAL PAINTING CONTRACT AWARDED.

**STOCKTON, San Joaquin Co., Cal.**—The Supervisors have awarded a contract to Gibson & Eichenberger for painting the county hospital wards and buildings on their bid of \$2,150.

#### MODESTO TO VOTE SCHOOL BONDS.

**MODESTO, Stanislaus Co., Cal.**—September 4th is the date set by the Modesto City School District to decide the question of issuing bonds of \$185,000 with which to finance the purchase of school sites, erect additions to the present schools, and construct new buildings.

Members of the Modesto Board of Education are: C. R. Gaifus, Ella M. Hazen, C. A. Hansen, Walter Johnson and J. W. Guyler.

#### STREET AND SEWER WORK PLANNED.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has adopted plans and passed resolutions of intention providing for the following street improvement:

Eight street between Clay and Market by grading, concrete curbing, brick guttering, laying of an asphalt pavement, construction of brick catchbasins with cast iron top and resetting curbs.

East Tenth street between Fruitvale avenue and High street by grading, construction of concrete curbing and gutters, laying an oil macadam pavement, constructing corrugated iron and concrete culverts and a vitrified pipe sewer.

#### GUTTER AND CURBING CONTRACT AWARDED.

**WOODLAND, Yolo Co., Cal.**—The City Trustees have awarded a contract to Matroni & Fatta for the laying of gutters and curbing in First street from Marshal to Hays street at 69 cents per lineal foot.

A. G. Proctor is City Engineer.

#### CONCRETE HIGHWAY PLANS ORDERED.

**NAPA, Napa Co., Cal.**—The County Supervisors have instructed the County Engineer to prepare plans and specifications for the cement concrete highway from Napa to Calistoga.

Jas. A. Daly is County Clerk.

#### BRIDGE WORK PLANNED.

**EUREKA, Humboldt Co., Cal.**—The Humboldt County Supervisors have adopted a resolution authorizing the State Highway Commission to construct a bridge across Dean creek on the state highway near the Buhne ranch north of Garberville. The cost to the county is not to exceed \$80,000.

#### ESTIMATES ORDERED FOR TRANSMISSION LINE.

**MODESTO, Stanislaus Co., Cal.**—Percy V. Jones, Chief Engineer of the Modesto Irrigation District, has been instructed by the Directors to prepare estimates of cost for a transmission line from the site of the proposed dam at Don Pedro's bar on the Tuolumne River to the city of Modesto.

This is in accordance with the district's plan to furnish power to the people in the district if the Don Pedro bond issue is successful.

A. J. Wiley is special consulting engineer for the district.

#### TO BOND FOR DRAINAGE SYSTEM.

**ANDERSON, Shasta Co., Cal.**—The Directors of the Anderson-Cottonwood Irrigation District are planning a bond election to secure funds to finance construction of a drainage system. This action was taken after several requests were made by members of the various farm centers.

The directors are preparing to call for more money to complete the construction of the irrigation system, for which it is estimated \$160,000 will be required, and to construct the drainage system \$40,000 more will be added, making a total of \$200,000.

The State Engineer will be asked to approve the plans and bond issue, and is expected to pass on the matter as soon as possible.

#### SEWER AND STREET WORK CONTRACTS AWARDED.

**SOUTH SAN FRANCISCO, San Mateo Co., Cal.**—The City Trustees have awarded a contract to the Raichs Improvement Co. for the construction of sewers and paving the unimproved portions of California avenue, Pine avenue, Aspen avenue, Juniper avenue, Olive avenue and Cypress avenue, while the Pay Improvement Co. was awarded the contract for work in the High School Park addition, the latter contract covering the improvement of Spruce, Walnut and Lux avenues and Park Way. The contract total about \$115,000.



# JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum  
General Mill and Cabinet Work, Stock Doors, Sash Frames  
and Mouldings.

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

73 1-744 Bush St.

Member

SAN FRANCISCO

Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLACK  
AROMATIC RED CEDAR  
BIRCHWOOD-ELM-HOLZ  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPE  
OAK-WALNUT-PALM  
QUARTERED OAK  
WYOMING SENDING DAK  
POPLAR-WALNUT



POWDER-IRON-IRONBARK  
JENSEN-PLANKS-ROCK  
LIGHT-UNITS-MAHOGANY  
ROSEWOOD-TAK-RED-BEAN  
WHITE-GUM-OAKS-MAPE  
LIME-BEECH-CUMBER  
HARDWOOD-FLOORING  
WYOMING-SENDING-PANLS  
BOWLS-TRENNIS-VEINERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUIT Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, RenoSACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET

### CONCRETE HIGHWAY CONTRACT AWARDED.

EUREKA, Humboldt Co., Cal.—The County Supervisors have awarded a contract to Elsemore & Jacobs for concreting the 3.85 miles of highway between Fernbridge and Ferndale, on their bid of \$83.24 per rod for plain concrete and \$93.24 a rod for reinforced concrete. On this basis the contract will amount to about \$93,228. The County Surveyor is authorized to specify the places where reinforced concrete shall be used.

The other bidders were the Messers-Fraser Company, Fadgett & Kelly, and Blanchard, Crocker & Howell, of San Francisco.

### WOODLAND RECEIVES BIDS FOR STREET WORK.

WOODLAND, Yolo Co., Cal.—The following bids were received by the City Trustees for the paving of First street, according to plans prepared by City Engineer A. G. Proctor.

A. Teichert & Son, Sacramento, 18.4 cents a square foot; McGilvary & Co., 19.2 cents, and Clark & Henery, 16.7 cents.

As the lowest of the bids was 3 cents per square foot over the estimate the bids were taken under advisement.

### ROAD BONDS.

LA GRANDE, Ore.—Petitions are in circulation asking the calling of an election to vote bonds of \$1,500,000 with which to finance construction of a modern highway system in Union County.

### LOW BIDDER FOR WEIMAR HOS- PITAL OIL BURNING SYSTEM.

SACRAMENTO, Cal.—The Matthews Construction Co., Sacramento, submitted the low bid for the installation of the oil burning system for the Weimar Joint Tuberculosis Hospital at \$15,750. The bid was referred to the joint building committee.

Plans were prepared by Architects R. A. Herold and J. Stanton, Associated, Forum Bldg., Sacramento.

The hospital building is being erected by the following counties: Tuolumne, Sierra, Amador, Colusa, El Dorado, Sacramento, Plumas, Contra Costa, Yolo and Yuba.

### ROAD BIDS REJECTED. WORK ORDERED DONE BY DAY LABOR.

SAN JOSE, Santa Clara Co., Cal.—The following bids were received by the County Supervisors for the resurfacing of Tully, Senter, Storey, King and Aborn roads in Supervisor District No. 2:

Surveyor's estimate, \$10,068: C. H. Ellison, \$13,796.

The bid was considered too high and the work ordered done by day labor under the supervision of County Surveyor Irving L. Ryder.

### PAVING WORK PLANNED.

VALLEJO, Solano Co., Cal.—The matter of paving Fourth street as a connecting link between North and South Vallejo will be taken up with the City Council at the next meeting by a committee headed by Fred Hilbert, who has large interests in South Vallejo.

### SCHOOL BONDS.

SACRAMENTO, Cal.—Bids are being received by the County Supervisors for the purchase of the \$5,000 worth of improvement bonds recently voted by the Reach School District.

### GOVERNMENT WANTS BIDS FOR PEARL HARBOR TORPEDO RACKS.

Bureau of Yards and Docks, Navy Department, Washington, D. C.—Sealed bids are wanted until August 20, under specification 4008, for torpedo racks at Kahuha, Pearl Harbor, Hawaii. Estimated cost, \$28,000. Deposit of \$10 required for plans. For information address the above office.

### RESERVOIR WORK PLANNED.

SEATTLE, Wash.—The detailed specifications, proposal and contract for the construction of the intake, outlet conduit, controlling works and pipe lines at the Swan Lake reservoir as provided by Ordinance 37520, and later amended by Ordinances 37622 and 37660 have been presented to the Board of Public Works by City Engineer A. H. Dimock and were referred to a committee of board members, which will examine and report on same.

### STREET WORK PLANNED.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Jefferson street between 1st and 7th streets by the construction of curbs, gutters, and the laying of an asphalt pavement.

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors

Elevator Cars

Elevator Enclosures

Store Fronts

Smokestacks

Gratings

Railings

Fences &amp; Grills

Tanks

Wirework

Fire Escapes

Marqueses

Folding Gates

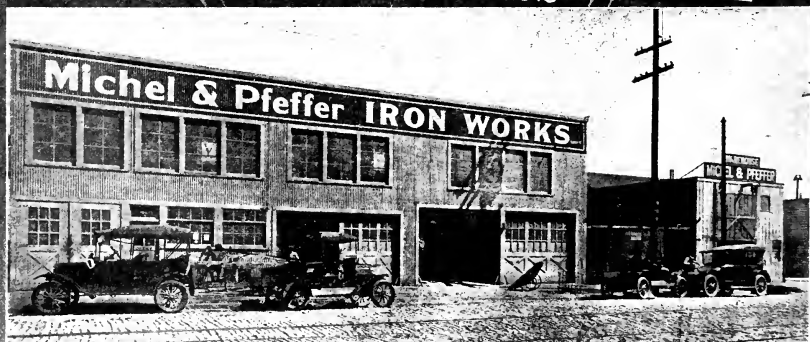
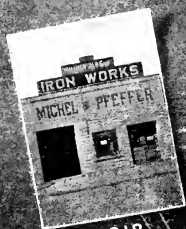
Cast Iron and

Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

**1415 Harrison St.**

# Building & Engineering News

Public Library  
Hayes & Franklin

15 Cents Per Copy  
\$4.00 Per Year

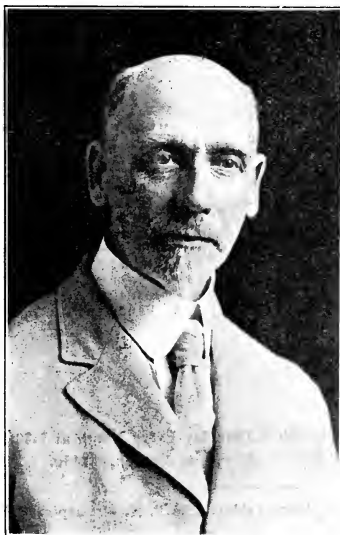
Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., August 20, 1919

Published Every Wednesday  
Nineteenth Year, No. 34

Dr. Newell will talk  
At the Luncheon of  
The Engineers Club  
On the 26th of August  
Dr. Newell will address  
A general meeting of  
Engineers on the night  
Of the 27th of August  
In the rooms of the  
San Francisco Commercial



Dr. F. H. Newell, President  
American Association of Engineers

Club, Merchants Exch. Bldg.  
Under the auspices of  
The American Association  
Of Engineers  
Dr. Newell will speak on  
"The Engineer in Modern  
Life: His Needs and Ideals"  
You are cordially invited  
To attend  
Ladies welcome

# San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co. ....	THIRD VICE-PRESIDENT

## EXECUTIVE COMMITTEE

J. H. Knowles .....	W. P. R. R.
L. D. Howland .....	C. C. Moore Co.
J. F. Johnston .....	Union Const. Co.
I. G. Grundel .....	Union Oil Co.

## QUALIFICATION COMMITTEE

W. H. Phelps .....	S. P. Co.
O. R. West .....	A. T. & S. F. R. R.

## AUDITING COMMITTEE

T. H. Brown .....	S. P. R. R.
E. B. Crane .....	C. M. & P. S. Ry.
P. J. Rowell.....	I. C. C.

## POLITICAL COMMITTEE

E. H. Herbert .....	Oliver Mfg. Co.
---------------------	-----------------

## FELLOWSHIP COMMITTEE

W. H. Rupp .....	S. P. R. R.
------------------	-------------

## PUBLICITY COMMITTEE

E. D. Brown .....	Redwood Mfgs Co.
G. M. Nelson.....	Consulting Engineer

## EMPLOYMENT REPRESENTATIVE.

F. J. Amweg .....	Consulting Engineer.
-------------------	----------------------

## COMPENSATION COMMITTEE.

G. M. Nelson.....	Consulting Engineer
E. V. Vandercook .....	S. P. R. R.
W. T. Cleland .....	Chief Dep. Surveyor Santa Clara Co.
V. D. Cousins.....	P. T. & T. Co.

## INTER-CHAPTER ADJUSTMENT COMMITTEE.

A. G. Mott .....	S. P. Co.
O. R. West .....	A. T. & S. F. Co.
W. S. Woliner .....	N. W. P. Co.

## MEMBERSHIP COMMITTEE.

D. L. Reynolds.....	Pacific Fruit Ex. Co.
F. J. Amweg .....	Consulting Engineer
W. H. Rupp.....	Southern Pacific R. R.
E. D. Brown.....	Redwood Mfrs. Co.
Clarence D. Stone .....	S. P. Co.
A. B. Hartley .....	S. P. Co.
H. W. Shrieber .....	City of Oakland
F. E. Geibel .....	S. P. Co.
C. B. Newbury .....	Interstate Com. Com.
J. F. Johnston .....	Union Const. Co.
E. V. Vandercook .....	S. P. Co.

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

*San Francisco Chapter Office, 700 Marston Bldg.*

A. G. Mott, Secretary

244 Kearny St., S. F.

# Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities  
on the Pacific Coast.

Issued Weekly, \$4.00 per year

San Francisco, Cal., August 20, 1919

Nineteenth Year, No. 34



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.

Subscription Rates—One year, \$4.00 payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
560 Mission Street.  
Telephone—Douglas 2372.

## SEALED PROPOSALS.

### STATE HIGHWAY BIDS WANTED.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 8, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Placer County, between Auburn and Northerly Boundary (III-Pla-17-C), about 6.6 miles in length to be paved with Portland cement concrete.

Amador County, between Ione and Jackson (III-Ama-34-B), about 10.7 miles in length to be graded.

Tulare County, between Visalia and Fulghams Corners (VI-Tul-4-D and 10-B), about 1.5 miles in length to be surfaced with asphalt.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Obispo, Fresno, and Los Angeles.

NEWELL D. DARLINGTON,  
CHARLES A. WHITMORE,  
GEO. C. MANSFIELD,  
California Highway Commission.  
AUSTIN B. FLETCHER,  
Highway Engineer.  
WILSON R. ELLIS,  
Secretary.

Dated: August 11, 1919.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by undersigned to 12 o'clock Noon, August 27, 1919, for construction of the following section of the State Highway System of Nevada:

(1) A portion of State Highway between Washoe Summit and Huf-faker's, Washoe County, 3.94 Miles. Approximately 18,000 cu. yds. Excavation unclassified; 45 cu. yds. Class "A" Concrete; 30 cu. yds. Class "B" Concrete; 40 cu. yds. Dry Rubble Masonry; 344 lin. ft. 15" Corrugated Metal Pipe; 150 lin. ft. 18" Corrugated Metal Pipe; 38 lin. ft. 30" Corrugated Metal Pipe; 30 lin. ft. 36" Corrugated Metal Pipe; 118 lin. ft. 15" Vitrified Clay Pipe; 120 lin. ft. Guard Rail; 64 Monuments.

Plans may be examined and forms of Proposals, Contract and Specifications secured at office of undersigned, may also be examined at County Clerk's office in Reno, Nevada. Cash deposit of \$15.00 with undersigned required for copy of each of above plans which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department. Right is reserved to reject any or all bids.

C. C. COTTRELL,

State Highway Engineer.  
Carson City, Nevada.

### STATE OF CALIFORNIA.

#### DEPARTMENT OF ENGINEERING.

#### CALIFORNIA HIGHWAY COMMISSION

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 2, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Humboldt County, between Beatrice and Eureka (I-Hum-1-G), about 7.9 miles in length to be paved with Portland cement concrete.

Stanislaus County, between Oakdale and Easterly Boundary (III-Sta-13-B), about 12.8 miles in length to be paved with Portland cement concrete.

Orange County, between Galivan and Irvine (VII-Or-2-B), about 9.4 miles in length to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

A bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding quantities of work to be done, etc.

The Department of Engineering re-

serves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,  
CHARLES A. WHITMORE,  
GEO. C. MANSFIELD,  
California Highway Commission.  
AUSTIN B. FLETCHER,  
Highway Engineer.  
WILSON R. ELLIS,  
Secretary.

Dated: August 4, 1919.  
Aug. 9-16-23-30

BLUE LAKE, Humboldt Co., Cal.—The City Trustees have awarded a contract to J. D. Golden at 60 cents per foot to furnish and install 500 feet of 18-inch storm tile in Hartman street.

EUREKA, Humboldt Co., Cal.—The County Supervisors are considering the petition of a committee from Shively and vicinity and delegates from the Northwestern California Counties Goods Roads Ass'n. asking that a Government Engineer be secured to lay out a system of good roads for Humboldt County.

A petition has also been received by the Board asking the immediate construction of a bridge across Eel River at Shively.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the County Supervisors up to September 2nd, 10 A. M., for improving the county road from the one-quarter section, corner between Sections 26 and 27, T. 1 N., R. 7 E., M. D. B. & M., in O'Neal road district, south, a total distance of 7012 feet, in accordance with plans and specifications prepared by County Surveyor Quail.

Plans may be had from the County Clerk, Eugene D. Graham.

SACRAMENTO, Cal.—The City Commissioners have passed a resolution of intention providing for the following work:

Improving 21st street near Y street and Freeport Boulevard, from Y street to Second avenue by constructing concrete curb and gutter; concrete sidewalks; 1 concrete man-hole; 9 cast iron gutter drains; 8 inch vitrified ironstone pipe sewer; grading the roadway and constructing a pavement of hydraulic concrete and a bituthilith wearing surface.

M. J. Desmond is City Clerk.

BAKERSFIELD, Kern Co., Cal.—Until 5 p. m., August 25, bids will be received by City Clerk V. Vanripper for improving K St. between Fourteenth and Eighteenth Sts., and Seventeenth St. between Cedar and Q streets, and portions of Q and Cedar Sts., by grading and paving with 3-in. asphaltic concrete base and 1½-in. bituthilith surface and constructing cement curbs, gutters, sidewalks and culverts. Bonds will be issued for

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

President—Dr. F. H. Newell, University of Illinois, Urbana, Ill.  
 First Vice-President—W. W. DeBerard, Western Editor Engineering News-Record, Chicago.  
 Second Vice-President—T. A. Evans, Structural Engineer, Meade-Morrison Co., Chicago.  
 Treasurer—John Ericson, City Engineer, Chicago.  
 Secretary—C. E. Drayer.

## Directors.

W. H. Finley, President, C. & N. W. Ry., Chicago, Ill. Past President.  
 W. W. K. Sparrow, Chief Engineer C. M. & St. P. Ry., Chicago.  
 P. E. Harroun, Consulting Engineer, San Francisco, Calif.  
 R. Burnham, Consulting Engineer, Chicago, Ill.  
 F. D. Richards, Bridge Engineer, City of Cleveland.  
 A. A. Matthews, Chief Engineer St. L. S. W. R. R., Tyler, Texas.  
 E. F. Collins, Valuation Engineer St. L.-S. F. Ry., St. Louis.  
 C. H. Crawford, Baldwin Locomotive Works, Philadelphia.  
 Harold Almert, Consulting Engineer, Chicago.  
 F. K. Bennett, Principle Assistant Engineer M. & St. L. Ry., Minneapolis.  
 J. H. Prior, Consulting Engineer, Chicago.  
 Alexander Potter, Civil Engineer, New York City.  
 J. N. Hatch, Consulting Engineer, Chicago.

## NATIONAL HEADQUARTERS

29 S. La Salle St.

Chicago, Ill.

### SACRAMENTO CHAPTER.

W. S. Caruthers, Civ. Eng.....Pres.  
 F. B. Gillette, Mech. Eng.....1st V.-P.  
 R. Walsh, Civ. Eng.....2nd V.-P.  
 G. H. P. Lichthard, Chem. Eng.3d V.-P.  
 H. A. Lathrop, Civ. Eng.....Sec.-Treas.  
 Chapter Office: 1331 33rd St.

### LOS ANGELES CHAPTER.

E. G. Shelbley .....President  
 A. L. Harris .....Secretary  
 E. Hardy Merrill .....Treasurer  
 Chapter Office:  
 Central Bldg., 6th and Main.

### PORTLAND CHAPTER.

W. H. Marsh .....President  
 A. H. McKeen .....1st Vice-President  
 T. W. Saul .....2nd Vice-President  
 O. Laurgaard .....3rd Vice-President  
 R. W. Barnes .....Secretary  
 C. F. Thomas.....Treasurer  
 Chapter Office: 36 Union Station.

### EUREKA CLUB.

F. W. Howard .....Secretary  
 Chapter Office: Eureka, Calif.

### FRESNO CHAPTER.

L. E. Smith .....President  
 John A. Dron .....Secretary  
 Chapter Office: 960 "S" St., Fresno.

### SAN BERNARDINO CHAPTER.

M. A. Woods.....Secretary  
 Chapter Office: 608 Tenth St.

# American Association of Engineers

## EDITORIAL STAFF.

George M. Nelson.....Consulting Eng.  
E. D. Brown.....Redwood Mfgs. Co.  
J. H. Knowles.....Ch. Eng. W. P. Co.  
D. L. Reynolds.....Pac Fruit Express.  
C. D. Stone.....S. P. Co.  
A. B. Hartley.....S. P. Co.  
H. W. Schrieber.....Union Con. Co.

## NATIONAL HIGHWAYS ENDORSED.

### San Francisco Chapter Discusses Townsend Bill.

The plan for a National Highway system as embodied in the Townsend Bill, which is now before the Senate at Washington, was a subject for discussion at the meeting of the San Francisco Chapter of the American Association of Engineers, held on the evening of August 7th. The Committee on Political Activity presented a synopsis of the features of the bill.

The bill provides that the National Government shall establish a system of highways throughout the country, to comprise not less than 2 per cent nor more than 5 per cent of the highway mileage used in any State, and not less than 2 per cent nor more than 4 per cent of all the mileage in all the States. The system in any State is to be connected up at least at three points to the systems of the adjoining States. The system shall be under the control of a Federal Highway Commission, which is created by this bill, to consist of three members serving for 6 years and receiving a salary of \$10,000 a year each. It is provided that the members of the commission shall have no other business or position to which they devote their time.

This commission shall select the routes of the National System, obtain rights of way, construct the highways, maintain them, furnish maps and information regarding the progress of the work, and to experiment as to the most efficient use of the highways. The right of way is not to be less than 65 feet unless there are unusual difficulties in obtaining this width in special cases. The commission is only to construct highways of a durable character and of adequate width for use in allowing for future growth. Not more than 10 per cent of the amount appropriated in any one year is to be expended on maintenance.

The commission will not construct any highway in incorporated cities of more than 5,000 inhabitants except in sections where the houses average more than 200 feet apart. If any of the highway chosen as a part of the National system has already been constructed to a standard that meets the approval of the commission, the commission will construct an equal amount of highway, not a part of the National System

but correlated thereto. If a State desires to build a highway along a route selected for a National highway, but for which the commission has not sufficient funds available for work within that State, the State may enter into a contract with the commission to construct the highway to the commission's standard, and be reimbursed when the funds are available.

The commission shall employ a chief engineer, secretary, engineering, legal, clerical, and other assistants, all of whom will come under the Civil Service classification except the chief engineer, secretary and legal advisers.

To carry out the terms of this bill, it provides for the appropriation of \$50,000,000 at once, \$75,000,000 on July 1, 1920, and \$100,000,000 each for the three successive years, making a total of \$425,000,000 which would be available until used.

This bill is fathered by the Federal Highway Council, an organization of engineers and others interested in good roads, which will be of use in times of peace as well as war. About the only objection that has been raised, is that the State Highway Commissions are in a better position to know the local conditions and decide on the routes and standards for the different sections of the country. At present the National Government is aiding on rural post roads in the several States, and it is pointed out that this fulfills the purpose of the bill. The Highway Council states that this bill will do all the present law can do, and in addition will give unity to the National system that can never be obtained where the routes, standards, and policies are decided by 48 different sets of individuals instead of one central commission.

A discussion followed in which it was brought out that the bill did not provide that there should be any engineers as members of the commission. It was pointed out that this was a place where technical knowledge was of the greatest importance, but judging by past experience it was unlikely that any engineers would be appointed on this commission unless it was specifically stated that a certain number must be engineers. The Chapter voted unanimously that the Secretary be instructed to correspond with the Senators and Representatives from California, asking them to work for the bill amended to read that at least two members of the commission be engineers.

### Portland Chapter, Portland, Ore.

We have completed our organization of the Southern Pacific lines in Oregon Railroad Section. Mr. F. A. Felhart is President, Mr. P. M. Othus,

Vice-President; R. W. Barnes, Secretary and Treasurer.

We have also succeeded in organizing S. P. & S. and O.-W. R. R. & N. Co., and they have completed their permanent organization.

Together, we have pretty actively taken up with our Federal Managers the proposition of increases, and have forwarded to Chicago for similar handling with Mr. Ashton at Chicago headquarters, all our dope and correspondence.

At the last meeting of the Oregon Society of Engineers, they voted unanimously to amalgamate with the American Association of Engineers. This makes the Portland, now the Oregon, Chapter approximately 400 strong.

We have succeeded in having a Board of Examining Engineers appointed under the new Oregon License Law, which was selected by Portland Chapter of A. A. E. The chairman of this board is our Third Vice-President, and three or four other members of the board are also members of the A. A. E.

We have a movement on foot to form a State Joint Council of Engineering Societies.

Our next increment of membership will be the Northwest Society of Highway Engineers. Preliminary negotiations have been made for this. This will give us an added strength of 250 new members, and with this accomplished we can truly say that A. A. E. represents an overwhelming majority of the engineers in Oregon.

We have now before the city commissioners and the Mayor of Portland substantial increases in salary for technical employees in city service. We lost the first round, but have now got the proposition to a show down and hope to get favorable action promptly.

R. W. BARNES,  
Secretary Portland Chapter.

## SACRAMENTO CHAPTER MEETING

The Sacramento Chapter of the American Association of Engineers held its regular meeting Tuesday, August 5th, with a good attendance. The Committee on Adjustment of territory and finances with the San Francisco Chapter reported a satisfactory conclusion of their work.

A special committee was instructed to make the necessary arrangements for a banquet and installation program on the occasion of President Newell's coming visit.

The Qualification Committee reported the following election as the result of their canvass of the letter ballot.

President—W. S. Caruthers, Civil Engineer.

First Vice-President—F. B. Gillette, Mechanical Engineer.

Second Vice-President—R. Walsh, Civil Engineer.

Third Vice-President—G. H. P. Lichthard, Chemical Engineer.

Secretary-Treasurer—H. A. Lathrop, Civil Engineer.

A committee of two was authorized to represent the Sacramento Chapter in the preliminary steps looking toward the organization of a State Council of Engineers. R. E. Dodge and R. Walsh were appointed.

The Sacramento Chapter is making steady conservative progress and will be in shape to do good work this coming year.

## NEWS FROM NATIONAL HEAD-QUARTERS.

Dr. F. H. Newell, President of the American Association of Engineers, left on August 10th for an extended trip through the western part of the United States. Dr. Newell spoke at Kansas City on the 11th before the Engineers Club of that city, at Denver on the 12th, and at Salt Lake City, where he installed a Chapter of A. A. E. on the 15th.

Dr. Newell will speak at Boise on the 18th, at Spokane on the following day, and at Tacoma and Seattle on the 21st. He will install the Portland Chapter, with which the Oregon Society of Engineers has voted unanimously to affiliate, on the 22nd, and will then proceed to San Francisco, Sacramento and Los Angeles. Chapters will be installed in these three cities, and it is expected that at Los Angeles the installation will include as part of the Chapter the Engineers' and Architects' Association of Southern California, a society of about 350 members. On his return journey, Dr. Newell will address various groups of engineers, including the Southwestern Society of Engineers at El Paso, the Oklahoma Chapter of A. A. E., and the St. Louis Chapter, where preliminary arrangements are being made for the 1920 convention of the Association which will be held in that city.

The Organization Committee, appointed by the Executive Board of the American Association of Engineers to study the pay of engineers in public service and to recommend schedules of salaries, held a meeting in Chicago on August 2. The committee recommended to the National Executive Committee that a sub-committee be appointed to study and report at once on salaries for highway engineers, and that other subcommittees be appointed from time to time to take up similar studies in other branches of public service, and that the second sub-committee to be appointed be instructed to study and report a schedule of salaries for municipal and county engineers. The report of the Organization Committee was approved by the Executive Committee, and the sub-committee will be appointed and the names of its members announced soon. The organization Committee consists of A. N. Johnson, Chairman, S. C. Hadden, A. R. Hirst, and F. H. Newell.

President Newell has written a letter to President Wilson urging upon him the advisability of appointing an engineer to fill the vacancy existing on the Interstate Commerce Commis-

sion. In this endeavor A. A. E. and Engineering Council will co-operate.

The Association is co-operating with other agencies in endeavoring to promote greater efficiency in the U. S. Patent Office and to obtain something near adequate pay for the engineers and technicians there employed.

Dr. Newell, our President, will leave Urbana, Ill., on August 10 and will reach San Francisco on August 22 or 23. He has not made definite plans beyond that point, except that he will return by the southern route and visit the St. Louis Chapter. He will stop at Denver, Salt Lake, Boise, Portland, Tacoma, Seattle and Sacramento en route. Mail or wires will reach him as follows: Denver, August 13, care I. B. Wilmot, 3263 Sherman St., Denver, Colo.; Salt Lake, August 15, care Eugene Bush, 273 10th Ave., Salt Lake City, Utah; Boise, August 16, care G. C. Scharf, President Idaho Section of Engineers, 905 N. 18th St.; Portland, August 18, care R. W. Barnes, 36 Union Station, Portland, Ore.; August 22-23, care J. H. Knowles, Chief Engineer Western Pacific R. R., 938 Mills Bldg., San Francisco, Calif.

Encouraging membership news from the Pacific Coast is contained in the announcement from Los Angeles that the Engineers and Architects' Association of Southern California is expected to vote very soon to consolidate with the Los Angeles Chapter of A. A. E. At a meeting of this society on June 25 it was unanimously voted to continue negotiations for consolidation, and since that time many of the details have been concluded. In commenting upon the value of such affiliation, Major Garrison Babcock, Past President (recently in Los Angeles) says in a letter to Dr. Newell that, "After this consolidation, the other chapters will find it very difficult to keep pace with the Southern California Engineers in the A. A. E. development."

The success of the railroad campaign is evidenced by the action of Mr. R. H. Alshon, Regional Director of the Northwestern Region, in authorizing increases in salaries of engineers and draftsmen below the grades of assistant engineer and chief draftsmen to about the same scale as recommended by A. A. E. Favorable action of similar nature is expected soon in the Central Western, Eastern, and Allegheny Regions. Additional developments will be contained in a railroad bulletin to be issued about August 20.

Mr. O. B. Krezdorn, Assistant Valuation Engineer of the Gulf Coast Lines at Houston, Texas, reports his office force as 100 per cent A. A. E. members. Are there any others?

It is important that Chapter and Club letters for the Monad be received at National Headquarters on the 12th of each month. Secretaries are requested to have their letters mailed in, commencing this month, ample time, in order to facilitate the publication of the Monad. Secretaries are also requested to notify National Headquarters not later than the 20th of each month how many copies of the next issue of the Monad they will require.

Our New York Headquarters are at Room 920, 1133 Broadway, New York, N. Y.

That the American Association of Engineers is making progress in establishing more favorable schedules of salaries for engineers in municipal work is indicated by the success of the St. Louis Chapter of the Association in obtaining the support of the Board of Aldermen of St. Louis to that Chapter's campaign for higher compensation for engineers employed by the city. A bill introduced before the Board of Aldermen on May 16, 1919, has been approved by the Efficiency Board and endorsed by the Associated Engineering Societies of St. Louis, but had been held in the hands of the Board of Estimate and Apportionment without further notice. In order to have the bill called up for action, the St. Louis Chapter drafted and had introduced before the Board of Aldermen a resolution requesting the Board of Estimate and Apportionment to call up the bill for consideration. As this resolution was adopted unanimously by the Board of Aldermen, and as the Mayor, H. W. Kiel, has announced himself as favoring the bill, it is expected that it will be passed very soon. The bill provides for an increase of about fifteen per cent in the salaries of engineers, draftsmen and related technical men.

## FEDERAL DEPARTMENT OF PUBLIC WORKS.

Identical bills have been introduced in the Senate by Mr. Jones of Washington and in the House of Representatives by Mr. Reavis of Nebraska, providing for a Federal Department of Public Works to take the place of the present Department of the Interior and to have charge of all of the engineering activities of the United States Government. Such bureaus of the Interior Department as are not engineering in character are to be placed under the jurisdiction of appropriate departments, while engineering bureaus from other departments are to be included in the new Department of Public Works.

The new department would include the Supervising Architect's office of the Treasury, the Construction Division, River and Harbor Improvements, the Mississippi River Commission, and California Delta Commission, of the War Department, the Bureau of Standards and the Coast and Geodetic Survey of the Department of Commerce, the Bureau of Public Roads, and the Forest Service of the Department of Agriculture. At the same time the Patent Office is removed from the Interior Department and placed under the Department of Commerce. The Bureau of Pensions is assigned to the Treasury Department and the Bureau of Education to the Labor Department. The Bureau of Indian Affairs is transferred to the Department of Labor, with the proviso that the engineering and construction work and the land and mineral surveys now performed under the direction of the Bureau of Indian Affairs are to be prosecuted under the Department of Public Works. Other minor branches of the Interior Department go under different cabinet offices.

The bill provides that the new Secretary of Public Works "shall by training and experience be qualified



to administer the affairs of the department and to evaluate the technical principles and operations involved in the work thereof." Four assistant secretaries, each to be paid \$7,500 per annum, are provided. One of these is to have jurisdiction over matters of engineering, design and construction; another over architectural design and construction; a third over all scientific work and surveys, while the fourth is to be in charge of land and naval matters.

The bill provides that engineer officers of the United States Army detailed on non-military work are to be assigned by the Secretary of War to like duties under the new departments for not over two years, and members of the Corps of Engineers may under the direction of the Secretary of Public Works be detailed by the Secretary of War to temporary duty in the new department for such instruction, training and experience as may be desired.—Engineering News-Record.

#### LETTERS TO S. F. CHAPTER PUBLICITY COMMITTEE.

At Placerville, Cal.,  
Aug. 6, 1919.

A. A. E., S. F. Chapter,  
Publicity Committee,  
San Francisco Cal.

Gentlemen: Permit me to advise that A. C. Miller and P. E. P. Marshall, members of the A. A. E., are engaged in making location surveys for proposed enlargements of the hydro-electric power project of the Western States Gas & Electric Co., on the American River above Placerville in El Dorado County.

Respectfully,  
ALLEN C. MILLER.

San Francisco, Aug. 9, 1919.  
A. A. E., S. F. Chapter,  
Publicity Committee,

Gentlemen: I am greatly interested in just such an organization as the A. A. E., and if at some early date one of your members could call on and "look me over" as a possible candidate for the next initiation class, same would be greatly appreciated.

Yours very truly,  
H. WALTER JOHNSON.

Los Angeles, Cal.  
August 12, 1919.

Publicity Committee, A. A. E.,  
560 Mission St.,  
San Francisco, Calif.

Your circular regarding material for publicity work in Building and Engineering News, received. Just now as we have no permanent secretary it will be a little hard for us to get any "red hot" material for your purpose, but as we have called a meeting for the 19th, and expect to have a good one, will send you some material right away after that occurs. At that meeting we expect to elect permanent officers for our chapter, and the question of publicity will receive its share of attention.

With best regards and good wishes for your branch of work, I am

Yours very truly,  
A. L. HARRIS,  
Secretary.

Chicago, Aug. 9, 1919.

Publicity Committee,  
San Francisco Chapter.

You are certainly to be congratulated upon obtaining the space allowed you by the Building and Engineering News, and I am sure that your committee will be able to make this innovation a great success. There is enclosed a short article which you may use if you care to; we hope to send you other material from time to time.

We are trying to obtain photographs which would interest our members if they were printed in the Monad, and the names of any of our members who can draw acceptable cartoons. If you can do anything in either of these two matters it will help materially. Our plans for the Monad are indefinite yet, but we are trying to find out if we can count on pictorial contributions from engineers; there is no doubt that an illustrated publication would make more of an appeal to everyone.

Cordially yours,

AMERICAN ASS'N. OF ENGRS.  
By Cedric B. Smith.

Placerville, Calif., Aug. 6, 1919.  
To the Editor,

Building and Engineering News,  
San Francisco, Calif.

Dear Sir: Am in receipt of a communication from the San Francisco Chapter A. A. E., stating that your publication, "The Building and Engineering News," is the official publicity organ of our organization.

Would you kindly forward me a sample copy of your magazine.

Very truly yours,  
P. E. P. MARSHALL.

Placerville, Calif., Aug. 11, 1919.  
Building and Engineering News,  
560 Mission St.,  
San Francisco.

Gentlemen: As I note that you are going to give publicity to the members of the A. A. E., I would like to subscribe to your paper and would request that you send me a copy of your publication and name subscription rates. Thanking you, I am

Yours very truly,  
ALLEN C. MILLER, C. E.

#### THE NECESSITY FOR INCREASING PRODUCTION.

"If the total earnings of American capital for 1918 were to be distributed equally throughout the population each of us would receive something less than 20c a day, in addition to our present income."

This startling statement is contained in a pamphlet by Morris L. Cooke entitled, "An Ail American Basis for Industry." The author goes on to say: "No possible earnings on our present accumulation of wealth will answer the needs of the world. The whole hope of the future lies in organizing the work of the world so that production may be increased, and may keep on increasing, so as first to eliminate poverty and then to keep pace with the shortening day and the increasing requirements of the individual."

The evils to a nation of a lack of production is illustrated by citing the industrial decadence of Great Britain

prior to August, 1911, as a result of the falling behind of this nation in the race with competitor nations in the matter of production. At this time thirty per cent of the population of London were living in poverty. The same condition probably existed throughout the rest of the country. Workhouses were full of the poverty-stricken. Suicide as the result of poverty was frequent. Strike after strike had had their inevitable effect upon the productive ability of the industries of the nation.

That this unfortunate condition was the result of insufficient production is borne out by a statement in the Fortnightly Review for August, 1913. "The poverty of the British workers is not caused by a vicious distribution of wealth, but by insufficient production. Production determines wages. It is clear that a worker who produces 10s. worth of goods per day cannot earn as much as a worker who produces 30s. of similar goods per day. It is also clear that a man who produces only 10s. worth of goods per day cannot possibly earn 12s. per day in wages. In the inefficiency of production in the Far East, not in the low standard of living, lies the reason that wages are very low in China and India, while in the efficiency of production lies the reason why wages are very high in the United States.

Very efficient production makes possible very high wages, and very high wages creates a high standard of living."

In view of what we know now," the author goes on to say, "there is a grim humor in the insistence by both capital and labor that after the war conditions should be restored to a pre-war status. It not only cannot be done, but neither side now wants it done. No one would by choice return to the day of assured decadence. There is, of course, nothing absolute about production standards. Frequently a nation, an industry or an individual plant can continue for a considerable time and meet with fair success in spite of a relatively low production—just how long depends largely on the character of the competition."

The engineer is concerned vitally with the efficient employment of labor and the resulting economies of operation and increase in production. This being so, he must take a positive interest in problems of labor and be prepared to demonstrate to labor the advantages which will accrue to it through an efficient use of man power. Here is an opportunity for the engineer to prove himself more than a technician. Let him first become a thorough student of labor problems, then use his influence toward obtaining the co-operation of labor in increasing output of organization and plant. Intelligent efforts in this direction will lead unfailingly toward greater prosperity of the individual and the nation.

An Optimist.—Dauber—"I got more than I expected for my last picture."

Friend—"Whv. I thought your landlord agreed to take it in lieu of next month's rent."

Dauber—"Yes but he raised my rent.—London Tit-Bits.

## COUNTY ENGINEERS REPLACE COUNTY SURVEYORS IN CALIFORNIA.

Another State, California, has provided for county engineers to take over the work formerly done by county surveyors. By the passage of the Ream County Engineer Act, boards of supervisors are permitted to appoint county engineers to take complete charge of the management of county roads, and are compelled to make such appointment upon petition of 25 per cent of the electors. While the boards of supervisors will hold general supervision over the road matters, the engineer will be in complete charge of the design and construction of the roads, and will be constituted commissioner of each of the road districts in the county. In addition to performing the road work, he will take over all duties now performed by a county surveyor. As county road work has increased in importance, it has been found necessary in many places to replace the elected county surveyor, who often is not even an engineer and knows little, if anything, about modern road construction. In some cases this condition has been corrected by separating the offices of county surveyor and county road engineer. California has gone the whole way and given the county engineer the entire county engineering work.

### NATIONAL HIGHWAY SYSTEM BOOKLET.

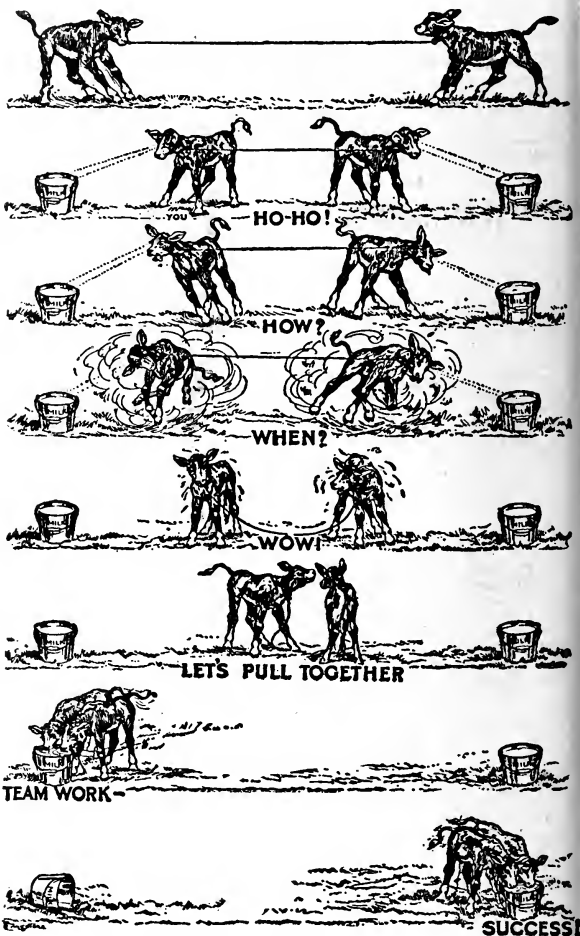
An attractive illustrated booklet, entitled "The National Highway System," has just been issued by the American Automobile Association. Among the subjects dealt with are: The basic reason for a national highway system; motor traffic a dominant highway influence of today; Federal highway supervision vs. Federal inspection, with many other chapters of less length on various subjects. The booklet should be of value to all those who are interested in the promotion of a national highway commission and a national system of roads.

### THE JOURNAL OF INDUSTRIAL HYGIENE.

A great deal has been heard in the last few years about industrial hygiene. This rapidly growing branch of preventive medicine can now boast of a journal of its own, the initial number of the Journal of Industrial Hygiene having recently made its appearance. It is a monthly publication and is edited by David L. Edsall for the United States and by A. F. Stanley Kent for Great Britain. Besides numerous original articles, the new journal is to include copious abstracts of the literature of industrial hygiene. We believe that an almost unlimited amount of good can be done by a publication of this sort, if its contents be not made too exclusively technical and if efforts be made to extend its circulation among the employers of labor, and also among workmen.—Scientific American.

## "Co-operation"

### A Barn-yard Illustration Applicable to Association Work.



### FEDERAL ENDOWMENT OF MINING SCHOOLS.

A bill was recently introduced into the Senate providing for the expenditure of \$25,000 per year in each State to aid mining schools; the money coming from the sales of public lands. This government aid will

be for instruction, research and experiment in mining machinery, mining engineering and treatment, metallurgy, assaying and chemistry and geology. One of the principal aims of the bill is to study the prevention of explosions, fires, etc., and to promote the general welfare of miners and operators.—Scientific American.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

No.	Owner	Contractor	Amt.
1626	Greenblat	Owner	7000
1627	Urban Rlty Co.	Owner	4000
1628	St. Francis Wd.	Morton	4000
1629	Same	Same	7500
1630	Anderson	Anderson	4700
1631	Vedell	Vedell	2000
1632	Dunham	Fennell	10000
1633	Dunphy	Hemminga	18500
1634	Hermanson	Owner	2800
1635	Grossfield	Mager	400
1636	Hoys	Maisler	2000
1637	Wertsch	Owner	400
1638	Royal Soap	Diestel	1000
1639	Fritz	Fritz	8000
1640	Volkman	Angelo	400
1641	Landan	Valentini	400
1642	Hirsch	Moller	787
1643	Born	Born	12000
1644	Born	Born	6500
1645	Rosenberg	Owner	150000
1646	Rousseau	Owner	150000
1647	Perkins	Owner	50000
1648	Hittenberger	Fink	400
1649	Kelby	Heaphy	500
1650	Oliver	Heaphy	600
1651	Yackley	Scholten	400
1652	Stange	Stone	500
1653	Panama Grotto	Owner	400
1654	Bullas	Bullas	500
1655	Gordan	Swenson	—
1656	Quinby	Arras	13770
1657	Deering	Urfer	400
1658	Raas	Barrett	450
1659	Zinkes	Western	900
1660	Nespoli	Nespoli	750
1661	Meadi	Nelson	700
1662	Nelson	Nelson	4000
1663	Baldwin	Coggins	600
1664	Ackerman	Leiter	1000
1665	Nelson	Nelson	3500
1666	Nelson	Nelson	11000
1667	Merritt	Morris	14000
1668	Lee Lin	Mulchay	17500
1669	Booth	City Protective	1780
1670	Same	Zimmerman	2600
1671	Same	Bradley	5798
1672	Same	Nelson	2748
1673	Same	Holt	18200
1674	Same	Davidson	2699
1675	Towie	O'Brien	2000
1676	Wertsch	Owner	400
1677	Sherman	Ellingson	2000
1678	Rose	Bovyer	1850
1679	United Cigar	Ellingson	1800
1680	Sisk	Sisk	600
1681	Ardan	Emanuel	700
1682	Wolf	Stevens	500
1683	Milton	Novelty	500
1684	Friedle	Friedle	1500
1685	Pockini	Guisti	475
1686	Joost	Diestel	500
1687	P G & E	Johns	—
1688	Lamanet	Vulicevich	3380
1689	Withington	Show	17800
1690	Ackerman	Proust	12000
1691	Real Pty	Grace	1626

(1626) W VALENCIA 100 S 24th. Two-story and basement frame (4) 3-room flats.  
Owner—J. S. Greenblat, 1432 Valencia San Francisco.

Architect—O. E. Evans, 2569 Mission, San Francisco.  
Day's work. COST, \$7000

(1627) S HEAD 172 W Ashton. One story frame dwelling.  
Owner—Urban Realty Imp. Co., 85 Ceritos Ave., San Francisco.  
Architect—Jos. A. Leonard, 85 Ceritos Ave., San Francisco.  
Day's work. COST, \$4000

(1628) E SANTA CLARA AVE 103 N Terrace Drive. Two-story frame dwelling.  
Owner—St. Francis Wood Co., 278 Post, San Francisco.  
Architect—Henry H. Gutterson, 278 Post, San Francisco.  
Contractor—John Morton, 180 Jessie, San Francisco.  
COST, \$8500

(1629) N YERBA BUENA AVE 278 E Santa Clara Ave. Two-story frame dwelling.  
Owner—St. Francis Wood Co., 278 Post, San Francisco.  
Architect—Henry H. Gutterson, 278 Post, San Francisco.  
Contractor—John Morton, 180 Jessie, San Francisco.  
COST, \$7500

(1630) SW EASTWOOD DRIVE 325 N Wildwood Way. Bungalow.  
Owner—Hilding Anderson, 1858 Fell, San Francisco.  
Architect—H. C. Bauman, 251 Kearny, San Francisco.  
Day's work. COST, \$4700

(1631) NO. 584 SANCHEZ. Alter residence and excavate for garage.  
Owner—Mr. Vedell, 3675-B 19th, S. F.  
Architect—O. E. Evans, 2569 Mission, San Francisco.  
Day's work. COST, \$2000

(1632) N ALAMEDA bet. Kansas and Vermont. Install mezzanine and sprinkler system.  
Owner—Dunham, Carrigan & Hayden, Premises.  
Architect—Leo J. Devlin, Pacific Bldg San Francisco.  
Contractor—Fennell & Chisholm, 180 Jessie, San Francisco.  
COST, \$10,000

(1635) NW ASHBURY AND GROVE Three-story frame apartments.  
Owner—A. P. Dunphy, 47 Ashbury, San Francisco.  
Architect—None  
Contractor—W. L. Hemminga, 47 Ashbury, San Francisco.  
COST, \$18,500

(1634) S MAYNARD 75 W Grant. One-story and basement frame dwelling.  
Owner—W. L. Hermanson, 337-A Richland Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$2800

(1635) NW VICKSBURG AND 24TH. Extend store.  
Owner—Henry Grossfield, 3852 24th, San Francisco.

Architect—None.  
Contractor—Mager Bros., 1318 Valencia, San Francisco.  
COST, \$400

(1636) NO. 928 MARKET. Alter for bakery.  
Owner—"Hoys," 1122 Market, S. F.  
Architect—None.  
Contractor—Ben Maisler, 777 Ellis, San Francisco.  
COST, \$2000

(1637) NO. 464 PAGE. Alter for private garage.  
Owner—Wm. Wertsch, Premises.  
Architect—None.  
Day's work. COST, \$400

(1638) NO. 1260 DAVIDSON. Repair fire damage.  
Owner—Rayol Soap Co., Premises.  
Architect—None.  
Contractor—John Diestel, 248 Russ Bldg., San Francisco.  
COST, \$1000

(1639) SW FREDERICK AND MASONIC AVE. Alter residence into (6) flats.  
Owner—Eugene N. Fritz, 1401 Masonic Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$8000

(1640) SW BRODERICK & FILLMORE. Alter for private garage.  
Owner—G. Volkman, Premises.  
Architect—None.  
Contractor—F. Ingle, 4186 Army St., San Francisco.  
COST, \$400

(1641) NO. 850 KEARNY. Alter for cafe entrance.  
Owner—Chas. Landan.  
Architect—None.  
Contractor—P. Valentini Co.  
COST, \$400

(1642) NO. 306 THIRD. Alter front. Owner—L. Hirsch.  
Architect—None.  
Contractor—R. W. Moller, 614 Call Bldg., San Francisco.  
COST, \$787

(1643) N SHORE VIEW AVE 240 & 275 W 36th Ave. Two two-story and basement frame dwellings.  
Owner—S. A. Born, — Shore View Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$6000 each

(1644) SW CLEMENT & THIRTY-sixth Ave. Two-story and basement frame dwelling.  
Owner—S. A. Born, — Shore View Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$6500

(1645) NW GEARY AND TAYLOR. Six-story Class "C" apartments. Owner—Rosenberg & Casper, 333 Kearny, San Francisco. Architect—Joseph Cahen, 333 Kearny San Francisco. Day's Labor and Sub-Contracts. COST, \$150,000  
NOTE:—Foundations started.

(1646) NE BUSH AND TAYLOR through to Mulford Alley. Six-story reinforced concrete apartments. Owner—Arthur F. Rousseau, 110 Sutter, San Francisco. Architect—Rousseau & Rousseau, 110 Sutter, San Francisco. Day's Work and Sub-Contracts. COST, \$150,000  
NOTE:—Foundations started.

(1647) SE SUTTER AND MASON. Three-story frame club rooms. Owner—W. F. Perkins, Nevada Bank Bldgs., San Francisco. Architect—E. E. Young, 251 Kearny, San Francisco. Day's Work and Sub-Contracts. COST, \$50,000

(1648) NO. 1103 MARKET. Add mezzanine floor. Owner—C. H. Hittenberger Co., 1103 Market, San Francisco. Architect—None. Contractor—Fink & Schindler Co., 228 13th. San Francisco. COST, \$400

(1649) NO. 337 LEAVENWORTH. Construct brick wall. Owner—A. R. Kelly, 2195 Divisadero, San Francisco. Architect—None. Contractor—J. J. Heaphy, 1721 Lombard, San Francisco. COST, \$500

(1650) NO. 1825 TURK. Minor repairs to dwelling. Owner—J. A. Oliver, Premises. Architect—None. Contractor—J. J. Heaphy, 1721 Lombard, San Francisco. COST, \$600

(1651) E. FIFTEENTH 25 S Natoma. General alteration for dwlg. Owner—M. Yackley. Architect—None. Contractor—H. Scholten, 1845 Mission San Francisco. COST, \$400

(1652) NO. 379 MISSOURI. Alter for basement garage. Owner—Carl Stange, Premises. Architect—None. Contractor—E. W. Stone, 26 Eagle, San Francisco. COST, \$500

(1653) NO. 317 KEARNY. Alter for restaurant. Owner—Panama Oyster Grotto, Prem. Architect—None. Day's work. COST, \$400

(1654) NO. 120 THORNTON AVE. Add two rooms to dwelling. Owner—Henry Bullas, Premises. Architect—None. Day's work. COST, \$500

(1655) NO. 334 MARKET. All work for store front. Owner—Gordan Tailoring Co., 928 Market, San Francisco.

Architect—Norman R. Coulter, 46 Kearny, San Francisco. Contractor—Swenson & Franzen, 145 Natoma, San Francisco. Filed Aug. 13, '19. Dated July 14, '19. TOTAL COST plus 10% Bond, none. Limit, 15 working days. Forfeit, none. Plans and specifications filed.

(1656) NO. 530 HOWARD. Reinforced concrete work for addition of 2 stories to present two-story reinforced concrete loft building. Owner—F. A. Quibby, 465 California, San Francisco. Architect—Arthur S. Bugbee, 316 Sharon Bldg., San Francisco. Contractor—Adam Arras, 65 Hoff Ave. San Francisco. Filed Aug. 13, '19. Dated Aug. 11, '19. Concrete poured for 4th floor and 3rd story walls.....\$3442.50 Concrete poured for roof and 4th story walls..... 3442.50 Completed and accepted..... 3442.50 Usual 35 days..... 3442.50 TOTAL COST, \$13,770.00 Bond, \$6885. Surety, Fidelity & Deposita Co. of Maryland. Limit, forfeit, none. Plans and specifications filed.

(1657) NO. 819 VALENCIA. Alter for sales room. Owner—Prentiss C. Deering, 245 Montgomery, San Francisco. Architect—None. Contractor—Chas. E. Urfer, 134 Halleck, San Francisco. COST, \$400

(1658) NO. 100 LOCUST. Alter for garage. Owner—A. E. Raas, Premises. Architect—None. Contractor—Barrett & Hilp, Sharon Bldg., San Francisco. COST, \$450

(1659) NO. 34 KEARNY. Alter for shop. Owner—Zinkes Re-bottoming Shoe Co., Premises. Architect—None. Owner—Western Hardwood Mfg. Co., 1034 Golden Gate Ave., S. F. COST, \$900

(1660) NO. 119 LOWELL. Alter dwelling. Owner—J. Nespoli. Architect—None. Day's work. COST, \$750

(1661) NO. 117 THIRD. Alter front. Owner—Meads Co. Architect—None. Contractor—J. Nelson, Premises. COST, \$700

(1662) W TWENTY-SIXTH AVE 55 and 81 S Balboa. Two one-story and basement frame dwellings. Owner—N. J. Nelson, 364 20th Ave., San Francisco. Architect—None. Day's work. COST, \$2000 each

(1663) NO. 2214 STEINER. Shingle dwelling and alter windows. Owner—Lloyd Baldwin, Premises. Architect—None. Contractor—L. M. Coggins, 115 Turk, San Francisco. COST, \$600

(1664) NO. 3222 JACKSON. Brick addition for garage. Owner—Robert L. Ackerman, 414 Call Bldg., San Francisco. Architect—E. A. Mathews, Call Bldg., San Francisco. Contractor—E. T. Leiter & Sons, 412 Call Bldg., San Francisco. COST, \$1000

(1665) SE WAWONA 50 SW Vicente Two-story and basement frame dwelling. Owner—Fernando Nelson & Sons, 1701 Lincoln Way, S. F. Architect—None. Day's work. COST, \$3500

(1666) W PLYMOUTH 10.362 NE Lot 7 Blk 3177 Wesawood Park NW 98.331 N 35.823 NE 98.163 S 38.454 also W Plymouth 23.454 S from NE corner Lot 4 Blk 3177 Westwood Park S 20.073 N 35.823 NE 98.252 S 38.454. All work for two one-story bungalows. Owner—Hans Nelson, 747 19th Ave., San Francisco. Architect—Charles F. Strothoff, 2276 15th, San Francisco. Contractor—Nelson Bros., 747 19th Ave., San Francisco. Filed Aug. 14, '19. Dated July 31, '19. Frames up .....\$2750 Brown plaster on ..... 2750 Completed ..... 2750 Usual 35 days..... 2750 TOTAL COST, \$11,000

Bond, \$5000. Sureties, Chas. Monson and Edwin T. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(1667) LOTS 22 AND 24 BLK 2981, Merritt Terrace. All work for two two-story residences. Owner—George Merritt, Crocker Bldg., San Francisco. Architect—Walter C. Falch, Hearst Bldg., San Francisco. Contractor—Harry E. Morris, 1825-A Sutter, San Francisco. Filed Aug. 14, '19. Dated —. Frames up .....\$2800 Brown coated ..... 2800 Finish on ..... 2100 Completed ..... 2800 Usual 35 days..... 3500 TOTAL COST, \$14,000

Bond, \$7000. Surety, Alfred T. Morris. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(1668) W GRANT AVE 60-6 N Washington N 29 E 60 S 29 W 60. All work for alterations and additions to three-story brick building for social rooms. Owner—Lee Lin, Lee Fay, Lee Bock Fow, Lee Gin and Lee Doo. Architect—J. Eugene Freeman, Kohl Bldg., San Francisco. Contractor—Thomas F. Mulcahy, 180 Jessie, San Francisco. Filed Aug. 14, '19. Dated Aug. 11, '19 Walls ready for ceiling joists.....\$2000 Asphalt roof on ..... 2000 Brown coat on 2d, 3d and 4th floors ..... 2000 Inside finish on 2nd, 3rd and 4th floors ..... 2500 Marble set on 4th floor..... 2125 Completed ..... 2000 Usual 35 days..... 4375 TOTAL COST, \$17,500

Bond, \$—, Surety, American Indemnity Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(1669) SW CLAY AND LAGUNA.  
137-6 on Clay by 63-10½ on Laguna  
Electric work for three-story frame  
apartments.

Owner—Frank J. Booth, 1032 Lombard, San Francisco.  
Architect—Henry C. Smith, 785 Market, San Francisco.

Contractor—City Protective Electric Co., 1086 Valencia, S. F.

Filed Aug. 14, '19. Dated Aug. 12, '19.  
On or before 1st of each month 75%  
Usual 35 days..... 25%

TOTAL COST, \$1730

Bond, \$1000. Sureties, Henry Warfield and Geo. E. Eckhardt. Limit, forfeit, none. Plans and specifications filed.

(1670) PAINTING ON ABOVE.

Contractor—H. E. Zimmerman and Wm. F. Lenzen.

Filed Aug. 14, '19. Dated Aug. 11, '19.  
Payments same as above.....

TOTAL COST, \$2600

Bond, \$1300. Sureties, Chris. Vucinich and S. L. Jacobi. Limit, forfeit, none. Plans and specifications filed.

Contractor—Peter Bradley, 180 Jessie St., San Francisco.

Filed Aug. 14, '19. Dated Aug. 11, '19.  
1st coat of plaster on exterior.....\$1440

Brown coat on interior and exterior 2nd coated..... 1440

Completed and accepted..... 1468

Usual 35 days..... 1450

TOTAL COST, \$5798

Bond, \$2900. Sureties, P. F. Reilly & J. E. Connell. Limit, forfeit, none. Plans and specifications filed.

Contractor—James A. Nelson, 509 6th St., San Francisco.

Filed Aug. 14, '19. Dated Aug. 11, '19.  
On or before 1st of each month 75%

Usual 35 days..... 25%

TOTAL COST, \$2748

Bond, \$1350. Sureties, H. S. McClelland and R. H. Neff. Limit, forfeit, none. Plans and specifications filed.

(1673) CARPENTER WORK ON ABOVE.

Contractor—O. C. Holt, 110 Jessie St., San Francisco.

Filed Aug. 14, '19. Dated Aug. 11, '19.  
Frame up.....\$3400

Enclosed and roof on..... 3400

Standing finish on..... 3400

Completed and accepted..... 3450

Usual 35 days..... 4550

TOTAL COST, \$18,200

Bond, \$9100. Sureties, Oscar Thunberg and O. Monson. Limit, forfeit, none. Plans and specifications filed.

(1674) PLUMBING ON ABOVE.

Contractor—Frank Davidson, 2948 Laguna, San Francisco.

Filed Aug. 14, '19. Dated Aug. 11, '19.  
Rough in completed.....\$1345

Completed and accepted..... 674

Usual 35 days..... 680

TOTAL COST, \$2699

Bond, \$1350. Sureties, C. W. Morris and Geo. W. Coefield. Limit, forfeit, none. Plans and specifications filed.

(1675) NW HYDE & McALLISTER.

Alter for law library.  
Owner—Geo. C. Towle, 68 Post, S. F.  
Architect—Mathew O'Brien, 68 Post, San Francisco.

Day's work. COST, \$2000

(1676) NO. 464 PAGE. One-story frame garage.

Owner—Wm. Wertsch, Premises.

Architect—None.

Day's work. COST, \$400

(1677) SW KEARNY AND SUTTER.

Alter show room on 3rd floor.  
Owner—Sherman Clay Co., Premises

Architect—None.  
Contractor—E. Ellingson, 110 Jessie, San Francisco.

COST, \$2000

(1678) S BUSH 120 W Fillmore. One-story frame auto supply store.

Owner—Joe Rose, 1740 Franklin St., San Francisco.

Architect—None.  
Contractor—Bovyer & Sons, 2407 California, San Francisco.

COST, \$1850

(1679) NW FILLMORE AND McALLISTER. Alter front of store.

Owner—United Cigar Stores Co., 555 Howard, San Francisco.

Architect—C. E. Jones, 555 Howard, San Francisco.

Contractor—E. Ellingson, 110 Jessie, San Francisco.

COST, \$1800

(1680) W RINCON 200 W Bryant. Alter for flats.

Owner—John Sisk, 222 Harrison St., San Francisco.

Architect—None.  
Day's work. COST, \$600

(1681) NO. 233 GRANT AVE. Alter for beauty parlors.

Owner—Elizabeth Arden, New York.

Architect—None.  
Contractor—L. & E. Emanuel, Inc., 1530 Filbert, San Francisco.

COST, \$700

(1682) NO. 66 ELGIN. Add new porch.

Owner—Louis A. Wolff, Premises.

Architect—None.  
Contractor—W. J. Stevens, 110 Jessie

COST, \$500

(1683) MARKET AND EDDY. Electric sign.

Owner—Jonas Milton, Premises.

Architect—None.  
Contractor—Novelty Elec. Sign Co., 165 Eddy, San Francisco.

COST, \$500

(1684) GREAT HIGHWAY AND CARRILLO. Alter and add for penny arcade.

Owner—John Friedle, Premises.

Architect—None.  
Day's work. COST, \$1500

(1685) NO. 616 FRONT. Alter for restaurant.

Owner—E. Pockini, 148 Pacific, S. F.

Architect—None.  
Contractor—S. A. Guisti, 617 Sansome, San Francisco.

COST, \$475

(1686) NO. 3043 SIXTEENTH. Alter brick wall.

Owner—Joost Hardware Co., 3043 16th, San Francisco.

Architect—None.  
Contractor—John Diestel, Russ Bldg., San Francisco.

COST, \$500

(1690) LOT 3 and S ½ Lot 2 Bik 22, Forest Hill. All work for two-story and basement frame residence.

Owner—Lloyd S. Ackerman, Mills Bldg., San Francisco.

Architect—None.  
Contractor—J. Prout, 2020 Turk St., San Francisco.

Filed Aug. 16, '19. Dated July 29, '19.  
Floor joists in.....\$2250

Rough plumbing and wiring in..... 2250

Ready for painters..... 2250

Completed and accepted..... 3000

Usual 35 days..... TOTAL COST, \$12,000

Bond, \$6000. Surety, Fidelity & Deposit Co. of Maryland. Limit, 105 working days. Forfeit, none. Plans and specifications filed.

NOTE:—1st report July 31, 1919, No. 1527.

(1691) N POST 160 W Montgomery W 85x137-6. All work for alterations and addition to second floor of Lick Building.

Owner—Real Property Invest. Corporation, 1st National Bk. Bldg., San Francisco.

Architect—None.  
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.

Filed Aug. 16, '19. Dated Aug. 14, '19.  
Payments not given.....

TOTAL COST, labor and material plus 10%, not to exceed \$1626.

Bond none. Limit, 30 working days. Forfeit, none. Plans and specifications filed.

NOTE:—1st report Aug. 7, 1919 No. 1598.

(1687) NW LOUISIANA & NEVADA W 130xN 430. All work for pipe insulation.

Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.

Architect—None.  
Contractor—H. W. Johns-Manville Co., 2nd and Howard, S. F.

Filed Aug. 16, '19. Dated July 31, '19.  
On completion..... 75%

Usual 35 days..... 25%

TOTAL COST, labor plus 17%

Bond, \$3000. Surety, National Surety Co. Limit, forfeit, none. Plans and specifications filed.

(1688) N CALIFORNIA 25 E Baker E 25x77-5. All work for alterations and additions for two-story residence and laundry.

Owner—Jacques and Anna Lamanet, 2992 California, San Francisco.

Architect—Albert L. Lapachet and Martin A. Sheldon, 110 Sutter St., San Francisco.

Contractor—M. E. Vuhicevich, 1442 Taraval, San Francisco.

Filed Aug. 16, '19. Dated Aug. 14, '19.  
Building enclosed and roofing in place.....\$840

Mill work and plaster done..... 850

Completed..... 845

Usual 35 days..... 845

TOTAL COST, \$3380

Bond, \$1690. Surety, Fidelity & Deposit Co. of Maryland. Limit, 36 days. Forfeit, none. Plans and specifications filed.

(1689) SW SECOND 135 NW Stillwell NW 55x90. All work except iron work and hardware for fire proof doors and elevator for four-story brick warehouse.

Owner—Charles W. Withington, 180 Jessie, San Francisco.

Architect—Lewis M. Gardner, 942 Pine, San Francisco.

Contractor—Martin S. Show.  
Filed Aug. 16, '19. Dated Aug. 8, '19.  
2nd floors joists up..... 25%  
Roof on ..... 25%  
When finished ..... 25%  
Usual 35 days..... 25%

TOTAL COST, \$17,800.

Bond, \$10,000. Sureties, Maria Show and Fred Koldenstrodt. Limit, 40 days. Forfeit, none. Plans and specifications filed.

NOTE:—1st report July 31, 1919.  
No. 1523.

### COMPLETION NOTICES.

#### San Francisco County.

#### RECORDED ACCEPTED

..... July 28, 1919

Aug. 9, 1919—NE PINE AND VAN

Ness Ave. Associated Oil Co to

Barrett & Hilt. Aug. 5, 1919

Aug. 11, 1919—W THIRTY-FIRST

Ave. 150 N Geary N 25xW 120.

Henry J Kessel & wife Magdalena

Kessel to Max Hantsche.....

Aug. 13, 1919—NO. 334 MARKET.

Gordan Tailoring Co to Swenson

and Franzen..... Aug. 9, 1919

Aug. 14, 1919—E EDNA 25 N Marston

N 100x E 100; Lots 5, 6, 7, and

8 Blk 31, Sunnyside Tract. Jas A

Arnott to Jas Arnott & Son.....

..... Aug. 13, 1919

Aug. 15, 1919—NE NINETEENTH &

Howar<sup>r</sup> 120 on Howard and 122-6

on 19th. Old Homestead Bakery

to Herman T Ludwig..... Aug. 14, '19

Aug. 15, 1919—COMG 53.70 SW fm

NW Cor. Blk 33 West End Map No.

1 running NW at right angles to

Delano 78 SW 25 SE 78 NE 25.

A R Larsan to whom it may con-

cern..... Aug. 13, 1919

### BUILDING CONTRACTS

#### Alameda County.

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Am't.
1728	MacGregor	Owner	19600
1729	Wright	Wright	1000
1730	Grimes	Grimes	400
1731	Saul	Saul	500
1732	Sibbett	Owner	500
1733	Ruediger	Metz	1175
1734	Von Werder	Owner	800
1735	McGlothlen	Owner	400
1736	Van Haltern	Watson	990
1737	Zeller	Kopf	7500
1738	Scott	Scott	2400
1739	Thulen	Nelson	3500
1740	Elise	Schussler	4000
1741	Sprague	Peake	4500
1742	Koch	Pfrang	6000
1743	Francis	Francis	4900
1744	Kremm	Kremm	1800
1745	Anderson	Anderson	400
1746	Scoville	Scoville	400
1747	Fox	Newby	1950
1748	Mills Colleg	Owner	2500
1749	King	Cal Builders	7500
1750	Franklin	Hooper	600
1751	Sibley	Porter	500
1752	Bither	Carpenter	1500
1756	Spencer	Riddell	—
1757	Parson	Engler	3000
1758	Friend Co	Owner	3900
1759	Chryst	Pearson	600
1760	Sang Sang Co	Owner	750
1761	Milekovich	Owner	750
1762	Brask	Christiansen	15000
1763	Forgeus	Scott	425
1764	Best Steel	Petersen	10000

1765	Duner	Owner	600
1766	Gobolie	Brown	1863
1767	Strang	Owner	5000
1768	Larsen	Larsen	3000
1769	Busse	Busse	2000
1770	Meyers	Meyers	400
1771	Grainger	Grainger	3500
1772	Petersen	Petersen	2000
1773	Webb	Hansson	400
1774	Bell	Bell	2000
1775	Cutter	Sattin	2200
1776	Evans	Coffee	400
1777	Mohr	Mohr	3000
1778	Patron	Siem	500
1779	Kelly	Rose	400
1780	Hollister	Hollister	400
1781	Stolte	Stolte	3150
1782	Oleny	Connor	400
1783	Johnson	Johnson	400
1784	Dahl	Olson	400
1785	Cornell	Cornell	400
1786	Soule	Soule	400
1787	Ismerth	Frostholtm	450
1788	Noble	Noble	3000
1789	Rity Syn.	Frostholtm	10000
1790	Hutchinson	Knowles	450

PIEDMONT COURT, Piedmont. Four two-story frame dwellings.

Owner—C. M. MacGregor, 470 10th,

Oakland.

Architect—None.

Day's work. COST, \$4900 each

(1729) NO. 521 MERRIMAC, Oakland. Addition.

Owner—Ruby C. Wright, Premises.

Architect—None.

Day's work. COST, \$1000

(1730) NO. 3707 MAYBELLE, Oakland. Addition.

Owner—Mrs. C. T. Grimes, Premises.

Architect—None.

Day's work. COST, \$400

(1731) NO. 1324 E-EIGHTEENTH, Oakland. Addition.

Owner—P. M. Saul, 2224 E-15th, Okd.

Architect—None.

Day's work. COST, \$500

(1732) E POPLAR 150 S Seventh, Oakland. Alterations.

Owner—Sibbett Mfg. Co., Premises.

Architect—None.

Day's work. COST, \$500

(1733) NO. 1017 BROADWAY, Oakland. Bake oven.

Owner—Ruediger Loesch & Zink, 1017 Broadway, Oakland.

Architect—None.

Contractor—Paul Metz, 2029 Chan-

ning Way, Berkeley.

COST, \$1175

(1734) NO. 3524 FOURTEENTH AVE. Oakland. Addition.

Owner—G. H. Von Werder, Premises.

Architect—None.

Day's work. COST, \$800

(1735) NO. 1228 SHATTUCK AVE., Berkeley. Garage.

Owner—W. S. McGlothlen, Premises.

Architect—None.

Day's work. COST, \$400

(1736) NO. 737 HENRY, Oakland. Addition.

Owner—Geo. Van Haltern.

Architect—None.

Contractor—W. F. Watson, 763 12th,

Oakland. COST, \$990

(1737) SW EXCELSIOR AND ALMA Aves., Oakland. Two-story 7-room dwelling.

Owner—W. S. Zeller, 2619 San Jose Ave., Alameda.

Architect—Edwin J. Symmes, 1700

Pearl, Alameda.

Contractor—Ben. F. Kopf, 1015 82nd

Ave., Oakland.

COST, \$7500

(1738) E FRUITVALE AVE 41½ N Pleasant, Oakland. One-story 5-room dwelling.

Owner—John Scott, 516 52nd, Oakland

Architect—None.

Day's work. COST, \$2400

(1739) E PARK BLVD. 50 S Dolores Oakland. One-story 5-room dwlg.

Owner—W. L. Thulen.

Architect—None.

Contractor—Oscar E. Nelson, 537 66th

Oakland. COST, \$3500

(1740) W THE ALAMEDA 170 N Solano Ave., Berkeley. One-story 6-room dwelling.

Owner—Ralph Eltse, Berkeley.

Architect—None.

Contractor—H. H. Schussler, 2436

Telegraph Ave., Berkeley.

COST, \$4000

(1741) W HENRY 240 AND 400 N Cedar, Berkeley. Two one-story 5-room dwellings.

Owner—Miss Edith Sprague, Cedar & Henry, Berkeley.

Architect—None.

Contractor—F. R. Peake, 2100 Shat-

tuck Ave., Berkeley.

COST, \$2250 each

(1742) NW SIXTY-THIRD & COLBY Oakland. All work for two-story 6-room dwelling and garage.

Owner—T. L. Koch & Alma Griesche,

63rd and Colby, Oakland.

Architect—None.

Contractor—H. C. Pfrang, 5507 Col-

lege Ave., Oakland.

Filed Aug. 12, '19. Dated July 26, '19.

Frame up ..... ¼

Plastered ..... ¼

Completed and accepted..... ¼

Usual 35 days..... ¼

TOTAL COST, \$6000

Bond, none. Limit, 130 days from

Aug. 10. Forfeit, none. Plans and

specifications filed.

(1743) NW SEVENTY-THIRD AVE and Bissell and W 73rd Ave 30 N Bissell, Oakland. Two one-story 5-room dwellings.

Owner—E. O. Francis, 4315 E-12th St., Oakland.

Architect—None.

Day's work. COST, \$2000 each

(1744) NO. 2575 FRUITVALE AVE., Oakland. Fire repairs.

Owner—Wm. Kremm, Premises.

Architect—None.

Day's work. COST, \$1800

(1745) NO. 1521 E-THIRTY-SEVENTH, Oakland. Addition.

Owner—Anderson & McCoy, 1483 Wel-

lington, Oakland.

Architect—None.

Day's work. COST, \$400

(1746) NO. 1750 THIRTY-FIFTH Ave., Oakland. Repairs.

Owner—Avery Scoville, Premises.

Architect—None.

Day's work. COST, \$400

(1717) E EIGHTY-SIXTH AVE 299 N Dowling, Oakland. One-story 5-room dwelling.  
Owner—Geo. H. Fox, 826 8th, Okd.  
Architect—None.  
Contractor—Newby & Co., 2257 Addison, Oakland.  
COST, \$1950

(1748) MILLS COLLEGE, Oakland. One-story warehouse.  
Owner—Mills College, Premises.  
Architect—None.  
Day's work.  
COST, \$2590

(1749) NE FORTY-FIRST AND OPAL Oakland. Two-story 12-room apartments.  
Owner—Delia King, 1534 Franklin, Oakland.  
Architect—None.  
Contractor—California Builders Co., 1534 Franklin, Oakland.  
COST, \$7500

(1750) NO. 3308 ADELINE, Berkeley Alterations.  
Owner—Wm. Franklin.  
Architect—None.  
Contractor—M. E. Hopper & Son, 90 Glen Ave., Oakland.  
COST, \$600

(1751) NO. 1403 SCENIC AVE., Berkeley. Alterations.  
Owner—Mrs. C. B. Sibley, Premises.  
Architect—None.  
Contractor—H. H. Porter, 2563 Buena Vista Way, Berkeley.  
COST, \$500

(1752) W SPAULDING 245 N Channing, Berkeley. One-story 3-room dwelling.  
Owner—Edith B. Bither, 1746 Francisco, Berkeley.  
Architect—None.  
Contractor—L. Carpenter, 572 20th, Oakland.  
COST, \$1550

(1756) SE 40 LO T19 BLK 1 Map Re-subdivision Portion Blk No. 1, Hotel Claremont Tct, Berkeley. All work for two-story 6-room dwelling.  
Owner—Doris C. Spencer, 1737½ Channing Way, Berkeley.  
Architect—None.  
Contractor—Riddell Building Service Corp., 2245 Telegraph Ave., Bkly. Filed Aug. 13, '19. Dated Aug. 9, '19.  
Frame up .....\$1000  
Brown coated ..... 1000  
Completed and accepted..... 1000  
Usual 35 days.....Balance  
TOTAL COST, 10%  
Bond, limit, forfeit, none. Plans and specifications filed.

(1757) NO. 2618 HILGARD AVE., Berkeley. Garage.  
Owner—Wm. F. Chryst, Premises.  
Architect—Edna Deakin, 3100 Telegraph Ave., Berkeley.  
Contractor—Ben Pearson, — Grant St., Berkeley.  
COST, \$600

(1758) N CATALINA AVE 575 E Colusa, Berkeley. Two-story six-room dwelling.  
Owner—Geo. Friend Co., Thousand Oaks, Berkeley.  
Architect—Noble Newson, Thousand Oaks, Berkeley.  
Day's work.  
COST, \$3900

(1759) W WALNUT 511.15 N Eunice, Berkeley. One-story 5-room dwlg.

Owner—Otto A. Parsons, Bancroft Way, Berkeley.  
Architect—None.  
Contractor—Louis Engler, 2435 College Ave., Berkeley.  
COST, \$3000

(1760) NO. 427 NINTH, Oakland. Alterations.  
Owner—Sang Sang Co., Premises.  
Architect—None.  
Day's work.  
COST, \$750

(1761) NO. 1913 CASTRO, Oakland. Addition.  
Owner—N. Milekovich, 1932 West, Oakland.  
Architect—None.  
Day's work.  
COST, \$750

(1762) N E-TWELFTH 125 W 23rd Ave., Oakland. One-story brick garage.  
Owner—Brask Bros. & Bower, 2325 E 14th, Oakland.  
Architect—L. F. Hyde, 2745 26th Ave., Oakland.  
Contractor—N. Christiansen, 2536 E-15th, Oakland.  
COST, \$15,000

(1763) NO. 1016 BROADWAY, Oakland. Alterations.  
Owner—J. W. Forgeus, Santa Cruz.  
Architect—None.  
Contractor—G. A. Scott, 685 23rd, Oakland.  
COST, \$425

(1764) 105TH AVE AND S. P. R. R. Oakland. One-story foundry.  
Owner—Best Steel Casting Co., Elmhurst.  
Architect—None.  
Contractor—G. Petersen, 3605 Hageman Ave., Oakland.  
COST, \$10,000

(1765) N E-FOURTEENTH 100 E 42nd Ave., Oakland. One-story warehouse.  
Owner—Dunier Matheny Sash & Door Co., 4200 E-14th, Oakland.  
Architect—None.  
Day's work.  
COST, \$600

(1766) NO. 2533 E-TENTH, Oakland Alterations.  
Owner—Antone Gobolie, Premises.  
Architect—None.  
Contractor—M. Brown, 1922 E-14th, Oakland.  
COST, \$1863

(1767) N EXCELSIOR AVE 150 W Spruce, Oakland. Two-story six-room dwelling.  
Owner—F. N. Strang, 1405 Central Ave., Alameda.  
Architect—None.  
Day's work.  
COST, \$5000

(1768) W TWENTY-NINTH AVE 258 S E-16th, Oakland. One-story five-room dwelling.  
Owner—R. K. Larsen, 1550 28th Ave., Oakland.  
Architect—None.  
Day's work.  
COST, \$3000

(1769) NO. 4285 MAYBELLE AVE., Oakland. One and one-half-story 3-room dwelling.  
Owner—M. A. Busse, 4283 Maybelle Ave., Oakland.  
Architect—None.  
Day's work.  
COST, \$2000

(1770) NO. 10610 E-FOURTEENTH, Oakland. Addition.  
Owner—John W. Meyers, Premises.  
Architect—None.  
Day's work.  
COST, \$400

(1771) E CORONADO AVE 80 N 51st Oakland. One-story 6-room dwlg.  
Owner—I. L. Grainger, 537 66th, Okd.  
Architect—None.  
Day's work.  
COST, \$3500

(1772) W NINETY-SECOND AVE 62 N Sunnyside, Oakland. One-story 6-room dwelling.  
Owner—F. Petersen, Oakland.  
Architect—None.  
Day's work.  
COST, \$2000

(1773) NO. 6137 COLLEGE, Oakland. Garage.  
Owner—Mrs. E. Webb, 2821 Hillegass Ave., Berkeley.  
Architect—None.  
Contractor—Louis O. Hansson, 1128 The Alameda, Berkeley.  
COST, \$400

(1774) W SEMINARY AVE 240 S E-14th, Oakland. One-story 5-room dwelling.  
Owner—W. B. Bell, 1257 46th Ave., Oakland.  
Architect—None.  
Day's work.  
COST, \$2000

(1775) SIXTH, bet. Grayson and Snyder, Berkeley. Cold storage room.  
Owner—The Cutter Laboratory, Prem.  
Architect—None.  
Contractor—H. J. F. Sattin, 2925 Hillegass Ave., Berkeley.  
COST, \$2200

(1776) NO. 2727 BENVENUE AVE., Berkeley. Garage.  
Owner—Mrs. N. M. Evans, 2801 Stuart Berkeley.  
Architect—None.  
Contractor—Mr. Coffee.  
COST, \$400

(1777) N ASHBY AVE 100 E Ellisworth, Berkeley. One-story five-room dwelling.  
Owner—Geo. L. Mohr, 1810 Shattuck Ave., Berkeley.  
Architect—None.  
Day's work.  
COST, \$3000

(1778) NO. 2057 CENTRAL AVE., Alameda. Alterations.  
Owner—V. Patron, Premises.  
Architect—None.  
Contractor—C. Siem, 1552 Park, Ala.  
COST, \$500

(1779) NO. 1311 GRAND, Alameda. Alterations.  
Owner—James W. Kelly, Premises.  
Architect—None.  
Contractor—A. H. Rose & Co., 525 17th, Oakland.  
COST, \$400

(1780) NO. 1922 BROADWAY, Alameda. Alterations.  
Owner—Geo. W. Hollister, 1812 27th Ave., Oakland.  
Architect—None.  
Day's work.  
COST, \$400

(1781) NO. 1642 BROADWAY, Alameda. One-story 5-room dwelling.  
Owner—F. C. Stolte, 3444 Laguna Ave., Oakland.

Architect—None  
Day's work. COST, \$3150

(1782) NO. 2702 DWTIGHT WAY, Berkeley. Alterations and additions. Owner—Warren Oleny, Premises. Architect—None. Contractor—Connor & Connor, Berkeley Way and Shattuck Ave., Berkeley. COST, \$400

(1783) NO. 5006 CONGRESS AVE., Oakland. Additions. Owner—Hans Johnson, Premises. Architect—None. Day's work. COST, \$400

(1784) NO. 1130 FIRST AVE., Oakland. Alterations. Owner—Mrs. T. Dahl, Premises. Architect—None. Contractor—Edw. Olson, 264 Mather, Oakland. COST, \$400

(1785) NO. 1447 THIRTEENTH AV., Oakland. Alterations. Architect—E. P. Cornell. Architect—None. Day's work. COST, \$400

(1786) NOS. 465-67 TWELFTH, Oakland. Alterations. Owner—E. Bacon Soule, 31 Bacon Bldg., Oakland. Architect—None. Day's work. COST, \$400

(1787) NO. 4168 PIEDMONT AVE., Oakland. Addition. Owner—C. P. Ismerth, Premises. Architect—None. Contractor—H. M. Frostholt, 5311 Lawton Ave., Oakland. COST, \$450

(1788) NE TWENTY-EIGHTH AVE and E-12th, Oakland. One-story 5-room dwelling. Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda. Architect—None. Day's work. COST, \$3000

(1789) NE ELEVENTH AND WEBSTER, Oakland. One-story brick office building. Owner—Realty Syndicate Co., 1440 Broadway, Oakland. Architect—Hamilton Murdock, Syndicate Bldg., Oakland. Contractor—H. M. Frostholt, 5311 Lawton Ave., Oakland. COST, \$10,000

(1790) NO. 444 SEVENTEENTH, Oakland. Alterations. Owner—D. Hutchinson, Premises. Architect—None. Contractor—Wm. Knowles, Central Bank Bldg., Oakland. COST, \$450

## BUILDING CONTRACTS.

### Contra Costa County.

SW STANDARD AVE., Richmond. Plumbing equipment for three-story Class "A" laboratory building. Owner—Standard Oil Co. Architect—Geo. W. Kelham, Sharon Bldg., San Francisco. Contractor—F. W. Snook Co., 594 Clay St., San Francisco.

Filed July 2, '19. Dated June 27, '19. Payments not given.

TOTAL COST, \$12,668  
Bond, \$6334. Surety, Globe Indemnity Co. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

INTERIOR MARBLE & TERRAZZO work on above. Contractor—Joseph Musto Sons—Keenan Co., 535 North Point St., San Francisco.

Filed July 29, '19. Dated July 1, '19. Monthly payments. TOTAL COST, \$8770  
Bond, \$4385. Surety, Fidelity & Casualty Co. of New York. Limit, 33 working days. Forfeit, none. Plans and specifications filed.

INTERIOR AND EXTERIOR IRON & bronze work on above. Contractor—California Artistic Metal Wire Co., 347 7th St., San Francisco.

Filed July 29, '19. Dated July 1, '19. Payments same as above. TOTAL COST, \$5975  
Bond, \$2988. Surety, National Surety Co. of New York. Limit, 40 working days. Forfeit, none. Plans and specifications filed.

ORNAMENTAL PLASTERING WORK on above. Contractor—Herman Bosch, 180 Jessie St., San Francisco.

Filed July 29, '19. Dated July 1, '19. Payments same as above. TOTAL COST, \$3590  
Bond, \$1795. Surety, Fidelity & Deposit Co. of Maryland. Limit, 35 working days. Forfeit, none. Plans and specifications filed.

ALL WORK FOR REFRIGERATING plant on above. Contractor—James T. Ludlow, 604 Mission St., San Francisco.

Filed July 29, '19. Dated July 23, '19. Payments same as above. TOTAL COST, \$5425  
Bond, \$2713. Surety, Fidelity & Deposit Co. of Maryland. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

ELECTRICAL WORK ON ABOVE. Contractor—Ne Page-McKinney Co., Washington. Filed July 29, '19. Dated June 24, '19. Payments same as above.

TOTAL COST, \$3858  
Bond, \$1929. Surety, United States Fidelity & Guaranty Co. of Maryland. Limit, forfeit, none. Plans and specifications filed.

FLOOR AND WALL TILE ON ABOVE. Contractor—Mangrum & Otter. Filed July 29, '19. Dated July 1, '19. Payments same as above.

TOTAL COST, \$38,429  
Bond, \$9215. Surety, National Surety Co. Limit, 40 working days. Forfeit none. Plans and specifications filed.

BLOCK "C" adjoining Bank of Concord Building, Concord. Excavation, concrete work, brick work, lumber, carpenter work, plumbing, plastering, marble work, painting, electrical, roofing, sheet metal, hardware, etc., for one-story brick and frame building. Owner—Fidelity Bond & Mortgage Co.

Architect—David C. Coleman, 46 Kenny St., San Francisco. Contractor—Ehrhart Constr. Co. Filed Aug. 7, '19. Dated May 30, '19. Foundation walls in and floor joists laid. \$2893.25  
Brick walls up and ready for roof. 2893.25  
When completed. 2893.25  
36 days after. 2893.25  
TOTAL COST, \$11,573.00  
Bond, \$5786.50. Sureties, J. A. Dowling and Geo. Y. Vondener. Limit, 60 days. Forfeit, none. Plans and specifications filed.

## BUILDING CONTRACTS.

### Santa Clara County.

NO. 570 S-ELEVENTH ST., San Jose. Six-room frame cottage. Owner—L. Cannias, San Jose. Architect—None. Contractor—Elwood Hiatt, 872 Bellamy St., Santa Clara. COST, \$2925

FIRST AND SAN CARLOS STS., San Jose. Three-story reinforced concrete auto sales building. Owner—H. B. Fry, Wilcox Bldg., San Jose. Architect—J. H. Powers, 460 Montgomery St., San Francisco. Contractor—Cahill-Vansano Co., 110 Sutter St., San Francisco. COST, \$30,000

FIFTEENTH ST., Naglee Terrace, San Jose. One-story frame cottage. Owner—A. K. Burkett, 161 N-16th St., San Jose. Architect—None. Day's work. COST, \$3000

TWELFTH AND EMPIRE STS., San Jose. Two-story frame residence. Owner—S. Di Cola, 598 N-11th St., San Jose. Architect—None. Day's work. COST, \$3000

## COMPLETION NOTICES.

### Santa Clara County.

Recorded Aug. 3, 1919—LOT 31 BLK 4, Hester Park, San Jose. C A Larson to whom it may concern. Aug. 6, 1919  
Aug. 9, 1919—S QUITO RANCHO Fruitvale Ave, San Jose. Gertrude D White to O H Anderson. Aug. 7, 1919  
Aug. 11, 1919—ALMA ST. AND Lincoln Ave., Palo Alto. Henry A and Verna M Waldron to whom it may concern. Aug. 1, 1919

## BUILDING CONTRACTS.

### San Joaquin County.

WASHINGTON ST., bet. El Dorado and Hunter Sts., being Lot 1 Blk "E," Stockton. Brick building. Owner—Lee Yum, Stockton. Architect—None. Day's work. COST, \$11,000

LOT 182 BLK 5, Sperry Addition, Stockton. Dwelling. Owner—Phil Storie, 145 W-Willow St., Stockton.



Architect—None.

COST, \$5000

LOT 8 BLK 13, E-Market St., Stockton

Remodel.

Owner—Mrs. W. H. Shaffer, Stockton

Architect—None.

Day's work.

COST, \$1000

**COMPLETION NOTICES.****San Joaquin County.**

Recorded Accepted

Aug. 11, 1919—LOT 1 BLK 31 West

of Center St., Stockton. M Tager

and Mrs M Tager to H J Le Blanc

April 7, 1919

**BUILDING CONTRACTS.****San Mateo County.**

RUNNYMEDE, San Mateo. Completion and finishing in present building and erect one new open air play room.

Owner—Board of School Trustees

Ravenwood School District.

Architect—Norman R. Coulter, 46

Kearny St., San Francisco.

Contractor—J. F. Collins.

Filed Aug. 1, '19. Dated July 31, '19.

1/2 completed 75%

Usual 35 days. \$725

TOTAL COST, \$2900

Bond, \$2900. Sureties, W. H. Paffin and Charles Weeks. Limit, 30 working days. Forfeit, none. Plans and specifications filed.

PTN LOT NO. 5-A containing 3.027 acres, Hillsborough. All work for electric wiring, conduits, switches, cut outs and panel boards for dwlg. Owner—Frank Schwabacher, 544 Costa Rica, San Mateo.

Architect—Howard &amp; White, 35

Montgomery St., San Francisco.

Contractor—M. E. Ryan Electrical

Co., Redwood City.

Filed Aug. 5, '19. Dated, —.

Roughing in done \$900.00

Work completed 563.00

Usual 35 days. 487.85

TOTAL COST, \$1950.85

Bond, \$1000. Surety, Fidelity & Deposit & Trust Co. of Maryland. Limit 75 working days. Forfeit, none. Plans and specifications filed.

LOT 10 BLK 7, Burlingame Park No. 2, Burlingame. All work for one-story 7-room and basement frame dwelling with plastered exterior. Owner—Samuel D. Mirk, of Burlingame Advance, Burlingame.

Architect—T. M. Edwards, 833 Market

St., San Francisco.

Contractor—Frank H. Boring, 514

Santa Inez St., San Mateo.

Filed July 28, '19. Dated July 23, '19.

Frame up \$1420

1st coat plaster on 1420

Completed and accepted 1420

Usual 35 days. 1420

TOTAL COST, \$5680

Bond, limit, forfeit, none. Plans and specifications filed.

**COMPLETION NOTICES.****San Mateo County.**

Recorded Accepted

August 1, 1919—NO. 69 ELLS-

worth Ave., San Mateo. Louise

Therwell and S E Therwell

to Chris and George Larsen.

July 25, 1919

**BUILDING CONTRACTS.****Fresno County.**

S 1/2 LOT 6 BLK 17, Lucerne Tract, Fresno. Frame dwelling and garage.

Owner—John Miller, Fresno.

Architect—None.

Contractor—E. R. Morris, 2031 Lewis

St., Fresno.

COST, \$2950

**COMPLETION NOTICES.****Alameda County.**

Aug. 8, 1919—N 35 LOT 16 BLK 8

Map Northbrae Station Tract,

Louis Balasek to Benjamin

F Woolley..... Aug. 7, 1919

Aug. 8, 1919—LOT 3 BLK 9, Peralta

Tract, S L Tillman to Jas

W Brazier..... Aug. 6, 1919

Aug. 11, 1919—NW SIXTY-NINTH

Ave and NE Hamilton NE 35xNW

100, Okd. John H Bolton and

Frederick J Burnett to George D

Stratton and Wm Vicks.....

August 11, 1919

Aug. 11, 1919—NW SIXTY-NINTH

Ave and NE Hamilton NE 30xNW

100, Okd. John H Bolton and

Frederick J Burnett to George D

Stratton and Wm Vicks.....

August 11, 1919

Aug. 12, 1919—LOT 14 Sheet No. 2,

Map Nova Piedmont, Piedmont. G

L Henry to Harry Schwalm.....

Aug. 11, 1919

Aug. 13, 1919—SW E-THIRTY-

third and Elliot, Okd. Florence

Winger to Fred N Fabing.....

Aug. 9, 1919

Aug. 15, 1919—N 20 LOT 64 and S

20 Lot 65 Blk "A" Map Broadway

Terrace, Okd. W I Brobeck to

Charles W Gompertz..... Aug. 7, 1919

Aug. 15, 1919—LOT 63 and N 10 Lot

62 and S 5 Lot 64 Blk "A" Map

Broadway Terrace, Okd. W I

Brobeck to Charles W Gompertz

..... Aug. 7, 1919

Aug. 15, 1919—LOT 61 and S 15 Lot

62 Blk "A" Map Broadway Ter-

race, Okd. W I Brobeck to Chas

W Gompertz..... Aug. 7, 1919



TACOMA, Wash.—Bids will be received by the Pierce County Commissioners up to October 10th for the construction of 95 miles of hard surfaced roads.

The call for bids provides for new roads and connecting links in practically every section of the county and will cost approximately \$2,500,000.

Further information and plans may be had from E. A. White, County Engineer, who has full charge of the proposed improvements.

SAN BERNARDINO, San Bernardino Co., Cal.—Until 7:30 p. m. August 19. Bids will be received by the Board of Water Commissioners for furnishing to the city 2,000 ft. 12 in. water pipe and 8,000 ft. 6-in. pipe, same to be lead joint pipe, either cast iron or lap welded, dipped or coated with asphaltum; price to be quoted c. & b. cars San Bernardino. Bidders must submit samples of pipe and detailed specifications, Certified check 10%

required. C. W. Smith, President of Board.

FRESNO, Fresno Co., Cal.—Bids for fifty miles of 5-inch concrete, 16 foot trunk line boulevard connecting Fresno with Kerman, Sanger, Fowler, Reedley, Parlier and Caruthers, forming four miles of the Fresno county highway system will be called about September 10th, according to an announcement by the Supervisors. The fifty miles will cost in the neighborhood of \$1,000,000, it is estimated.

Following are the units to be built: Blackstone avenue and Shaw avenue to Melvin, 9 miles, to within 1/2 mile of Clovis city limits.

Whitesbridge road, Fresno to Kerman, 14 miles.

Ventura avenue from Fresno to the Sanger academy road, 9 miles.

Adams avenue from Fowler through Parlier to Reedley, 8 miles.

Elrs avenue from Fresno to Caruthers, 12 miles.

PORTLAND, Ore.—No bids were received by the Oregon State Highway Commission, Yeon Bldg., Portland, for the following improvements:

Forest Grove-Gaston section of Forest Grove-McMinnville Highway in Washington County, 6.7 miles of macadam.

Walker-Cottage Grove section of Pacific Highway in Lane County, 3.03 miles of waterbound macadam.

It is probable that a new call for bids will be issued.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has adopted plans and passed a resolution of intention providing for the following work:

That Belmont avenue from Van Ness avenue to First street.

1. Graded between the curb lines.

2. Curbed and guttered with cement concrete curb and gutter.

3. Culverted with corrugated iron cross and return culverts, with manholes where shown on the plans.

4. Paved between gutter line with a pavement consisting of a 4-inch cement concrete base and a bitulithic wearing surface 1 1/2 inches thick.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded contracts as follows:

To Hutchinson Co. for the improvement of 37th avenue between East 14th street and Post street on the following bid:

Per square foot of grading.....\$ .05

Per linear foot of concrete curb.....\$ .60

Per square foot of concrete gutter.....\$ .23

Per square foot of oil macadam

pavement.....\$ .13

To Bates & Borland, for improvement of 87th avenue between Birch and the eastern line of the Ausson's Tract, etc., on the following bid:

Per square foot of grading.....\$ .02

Per linear foot of redwood curb.....\$ .18

Per square foot of concrete gutter.....\$ .22

Per square foot of oil-macadam

pavement.....\$ .135

Per linear foot of 8" by 24" corrugated iron and concrete cul-

vert.....\$ 4.80

Per linear ft. of 6" by 20" wooden

box culvert.....\$ 2.50

Per hand-hole.....\$ 7.50

Per granite header-block.....\$ 7.50

# ADVANCE NEWS

## Official Proposals, Etc.

### Building.

#### APARTMENT HOUSES.

Segregated Figures Being Taken.  
**APARTMENTS** Cost, \$40,000  
**SAN FRANCISCO.** Pine Street near Leavenworth Street.  
 Three-story and basement frame apartments (15 apts).  
 Owner—Louis Shensen.  
 Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.

Segregated Figures to be Taken Next Week.

**APARTMENTS** Cost, \$—  
**SAN FRANCISCO.** SW Fifteenth Ave. and Geary Street.

Two three-story frame apartment houses, 100x142; 24 3 and 4 room apts. (Colonial style with garage court between the buildings, fountain pool, etc. Basement garages.

Owner—Withheld.  
 Architect—Angust Headman, Call Bldg., San Francisco.

Contract Awarded.  
**APARTMENTS** Cost, \$40,000  
**SAN FRANCISCO.** Octavia and Broadway.

Four-story Class "C" apartment house Owner—Withheld.  
 Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.  
 Contractor—Travia & Co., 400 Bay St., San Francisco.  
 (27409) 1st report May 14; 4th July

**STEEL CONTRACT AWARDED.**  
**SAN FRANCISCO.**—Marcus Marcussen, 201 Sansome street, contractor for the six-story Class "A" reinforced concrete apartment house of Mrs. E. De Wolfe and Mrs. A. L. Frownlee, has awarded a contract for the steel to The Pacific Rolling Mill Co. The building will be erected on the south side of California street E of Taylor.

Plans Being Figured.  
**APARTMENTS** Cost, \$75,000  
**VALLEROJO,** Solano Co., Cal.  
 Five-story and basement steel frame, brick and terra cotta apartment house.  
 Owner—Harry Handlery.  
 Architect—Bernard J. Joseph, Call Bldg., San Francisco.

#### BONDS.

**WOODLAKE,** Tulare Co., Cal.—Bonds of \$14,000 have been voted by the Ivanhoe School District to finance construction of a brick two-room school building.

**YURA CITY,** Sutter Co., Cal.—Bids will be received by the County Supervisors up to September 2nd, for the purchase of the \$5,000 bond issue of the Nicolaus School District.  
 (29346) 1st report Aug. 9, 1919.

#### CHURCHES.

Contract Awarded. Sub-Figures Being Taken by Contractor.  
**CHURCH** Cost, \$50,000  
**SAN RAFAEL,** Marin Co., Cal.  
 Reinforced concrete church.  
 Owner—Roman Catholic Archbishop, St. Raphael Parish.  
 Architects—Shea & Lofquist, Chronicle Bldg., San Francisco.  
 Contractor—Jas. L. McLaughlin, 244 Kearny St., San Francisco.

Plans Being Prepared.  
**CHURCH** Cost, \$40,000  
 Parsonage, \$5,000. A pipe organ costing \$5,000 will be installed.  
**LODI,** San Joaquin Co., Cal.  
 Hollow tile church (seating capacity of 750) 90x110 and parsonage.  
 Owner—Christian Church of Lodi, Rev. Benj. Smith, Pastor, Lodi.  
 Architect—Francis Reid, Concord.

**LOS ANGELES,** Cal.—The California School of Religion, affiliated with the Christian Church denomination, is negotiating for a site near the southern branch of the University of California at Vermont Ave. and Santa Monica Blvd., upon which to establish a college for the training of Christian workers. It is the intention of the Church to expend approximately \$700,000 for new buildings. No architect has been engaged to prepare plans for the new college buildings.

#### COURTHOUSES.

**WINNEMUCCA,** Nevada.—The contract for the construction of the Winnemucca, Humboldt County, Courthouse has been awarded by the Supervisors to Howard S. Williams, Hearst Bldg., San Francisco, on his bid of \$134,821, exclusive of plumbing, heating, electric wiring and finish hardware.

F. J. De Longchamps of Reno is the architect.

#### FACTORIES AND WAREHOUSES.

**MODESTO,** Stanislaus Co., Cal.—The Pratt-Lo Low Canning Co., 9th and "C" Sts., Modesto, is planning additions to the present plant that will increase the capacity about 50 per cent. Estimates are now being compiled as to the cost of the improvements which are expected to run in the neighborhood of \$70,000. A reinforced concrete warehouse costing \$40,000 is included in the plans.

**LOS ANGELES,** Cal.—The Mathews Paint Co., 219 S. Los Angeles St., Los Angeles, has purchased a site of several acres at San Fernando Road, Idell street and Avenue 26 as a location for a new factory and warehouse building. The structure will be two stories, of brick construction and will cost about \$75,000.

**LODI,** San Joaquin Co., Cal.—The Lodi branch of the California Almond

Growers' Association is planning to enlarge its plant to handle twenty tons of nuts per day.

Foundations Started For Addition to Steel Plant.  
**PITTSBURG,** Contra Costa Co., Cal.  
 ADDITION Cost, \$250,000  
 Steel and corrugated iron rolling plant addition.  
 Owner—Columbus Steel Co., 503 Market St., San Francisco and Pittsburg, Cal.

Work has been started by the owners on the foundations and contracts awarded on the balance of the work. Further information will be given later.

Owner Taking Figures.  
**LOFTS.** Cost, \$—  
**LOS ANGELES.** SW 3rd and Crocker streets.  
 Three-story brick loft building, 56x119.  
 Owner—C. W. Deming, 473 E 3rd St. Lessee—The Pacific Tool & Supply Co. Architect—C. C. Kittenhouse, 310 Wilcox Bldg., Los Angeles.

Plans Being Prepared.  
**WAREHOUSE** Cost, \$40,000  
**FRESNO,** Fresno Co., Cal. "H" and El Dorado Streets.  
 One-story reinforced concrete warehouse.  
 Owner—Edw. T. Foulkes, Crocker Bldg., San Francisco.  
 Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.

This property, 162-6x150, was purchased recently by Mr. Foulkes, and will be improved with a warehouse provided a lease is closed, which has practically been agreed upon.

Plans Being Prepared.  
**WAREHOUSE** Cost, \$—  
**LOS ANGELES,** Cal. Hewitt Street near Palmetto.  
 Three-story and basement reinforced concrete warehouse, 50x130.  
 Owner—Barker Bros.  
 Architect—W. J. Saunders, Laughlin Bldg., Los Angeles.

Contract Awarded.  
**WAREHOUSE** Cost, \$5,000  
**EMERYVILLE,** Calif.  
 One-story corrugated iron warehouse, 100x50.  
 Owner—Sherwin-Williams' Paint Co., 454 2nd St., San Francisco.  
 Architect—Engineering Department of owner.  
 Contractor—George Wagner, 251 Kearny St., San Francisco.  
 Frame is going up.

Contracts Awarded.  
 ADDITION Cost, \$—  
**SAN FRANCISCO.** No. 530 Howard Street.  
 Add 2 stories to two-story reinforced concrete loft building.  
 Owner—F. A. Quinby, 465 California St., San Francisco.  
 Architect—Arthur S. Bugbee, 316 Sharon Bldg., San Francisco.

Reinforced concrete work awarded to Adam Arras, 65 Hoff Ave., for \$13,770.

Roofing to Fiberstone Roofing Co.  
Plumbing to Albach & Mayer.  
Electric work to National Elec. Co.  
Carpenter work to L. A. Hinson.  
Elevator work to Van Emon Elec. Co.

Iron work to Michel & Pfeffer.

Plans Being Prepared.

**BUILDINGS** Cost, \$300,000 (1st unit.)

OAKLAND, Cal. 29th Avenue and E-11th Street.

Three one-story reinforced concrete buildings. Administration, 50x100; Welfare Bldg., 50x250, and Plant Bldg., 250x450 for jam and jelly manufacturing plant (1st unit).

Owner—H. Jones & Co., Ltd., Australia.

Architect—Washington J. Miller, 417 Market St., San Francisco.

SAN FRANCISCO, Cal.—Architect Washington J. Miller, 417 Market St., San Francisco, is making expert surveys of the canning plants of Hunt Bros. and will prepare plans for extensions and improvements amounting to approximately \$500,000.

The plants to be improved are located at Hayward, San Jose, Los Gatos, Exeter and Salem, Ore. Construction work will not be started until next year.

Plans being prepared.

**ADDITION** Cost, \$6,500  
FRESNO, Fresno Co., Cal. Merced Street bet. H and I Streets.

Fireproof addition of one story to present building.

Owner—Myers Welding Works.

Architects—Coates & Travers, Rowell Bldg., Fresno.

## FIRE HOUSES AND JAILS.

REDWOOD CITY, San Mateo Co., Cal.—Bids for the construction of the branch County Jail at Half Moon Bay were received by the County Supervisors as follows:

Savage and Wrightman .....\$3,000  
K. Lavine .....3,339  
Fred D. Boese .....3,350

Awarded to Savage & Wrightman. Elizabeth M. Nash, is County Clerk.

Ready For Figures in Two or Three Weeks.

**FIREHOUSE, ETC.** Cost, \$25,000  
REDWOOD CITY, San Mateo Co., Cal.

Two-story reinforced concrete or brick firehouse and memorial hall (stone and terra cotta trim).

Owner—Redwood City.

Architect—J. R. Miller, Lick Bldg., San Francisco.

## FLATS.

SACRAMENTO, Cal.—The Libby, McNeil & Libby interests plan the erection of one hundred addition flat building in addition to houses already constructed and under construction.

The buildings are rented to the workers at \$8 and \$10 per month, the rent being refunded if the tenant works the season out.

Ready for Figures Next Week

**FLATS, ETC.** Cost, \$15,000  
SAN FRANCISCO. Franklin St.

Two-story and basement frame flats. (2 flats and basement garage.)

Owner—Withheld.

Architect—Albert J. Fabre, Cr French Bk., 110 Sutter St., San Francisco

## GARAGES.

Sketches Being Prepared.

**SHOP BLDG.** Cost, \$8,000  
SAN FRANCISCO. W Mission N 14th.

One-story brick auto repair shop building, 28x100.

Owner—Not given.

Architect—S. Heiman, 57 Post Street, San Francisco.

Plans Being Prepared.

**SHOP BLDG.** Cost, \$14,000  
SAN FRANCISCO. N Post W Leavenworth.

One-story brick auto repair shop building, 35x137-6.

Owner—Goldberg-Bowen Co.

Architect—S. Heiman, 57 Post Street, San Francisco.

Contract Awarded.

**GARAGE** Cost, \$—  
OAKLAND, Alameda Co., Cal. Piedmont Ave. bet. Moss Ave. and Broadway.

One-story brick and concrete block garage, 50x112.

Owner—Name Withheld.

Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Contractor—F. A. Muller, Syndicate Bldg., Oakland.

Completing Plans. Figures to be Taken Next Week.

**GARAGE** Cost, \$60,000  
OAKLAND, Cal. Webster Street.

Four-story reinforced concrete garage building, 140x125.

Owner—Withheld.

Architect—M. I. Diggs, 1519 Broadway Oakland.

Plans Being Prepared.

**SALESROOM, ETC.** Cost, \$10,000  
EUREKA, Humboldt Co., Cal. Fourth and H Streets.

One-story concrete and stucco garage and salesroom, 110x60.

Owner—A. C. Noe.

Lessee—Chas. Green, Maxwell Distributor, Eureka, Cal.

Architect—Frank T. Georgeson, 4th and "E" Sts., Eureka, Cal.

Plans Nearing Completion.

**GARAGE, ETC.** Cost, \$60,000  
FRESNO, Fresno Co., Cal. San Joaquin Street.

Two-story concrete garage and auto salesroom, 100x150.

Owner—DeVaux Motor Car Co.

Architects—Coates & Travers, Rowell Bldg., Fresno.

Architect—Henry H. Meyers, Kohi Bldg., San Francisco.

Architect—Henry H. Meyers, Kohi Bldg., San Francisco.

## GOVERNMENT WORK & SUPPLIES.

WASHINGTON, D. C.—No bids were received at the Bureau of Yards and Docks, Navy Department, Washington, for the completion of the Mare Island Structural Shop. The Clinton Constr. Co., 140 Townsend St., San Francisco, submitted the lowest bid to the Public Works Department, Mare Island, at \$491,000. For com-

plete list of bids see these reports of August 13th.

PANAMA CIRCULAR 1296.—Panama Canal, Office of the General Purchasing Officer, Washington, D. C.—Sealed proposals will be received here until September 3, 1919, under circular 1296 for furnishing iron, steel, lead, tin, wire rope, wire cloth, tacks, screws, hammers, hacksaw blades, chisels, drills, files, snaths, locks, pipe, pipe fittings, leather, rubber hose, shower bath curtains, maches, pens, manila folders, paper, lumber and millwork. For further information address A. L. FLINT, general purchasing officer.

MARE ISLAND, Cal.—The following bids were received on August 13th at Mare Island for the completion of the structural shop under Spec. No. 3719. The Clinton Construction Co., 140 Townsend Street, San Francisco, submitted the lowest bid at \$491,000.

Days	
Clinton Constr. Co.	\$491,000 200
Lange & Bergstrom, S. F.	506,453 200
Lindgren Co., S. F.	521,000 200
J. E. Parker Co., S. F.	522,732 210
Alfred H. Vogt, S. F.	538,300 200

WASHINGTON, D. C.—The contract for exterior and interior painting in the U. S. Marine Hospital at the Presidio, San Francisco, Calif., has been awarded to Tormey Co., 1042 Larkin street, San Francisco, at \$528.

## HALL AND SOCIETY BUILDINGS.

MARTINEZ, Contra Costa Co., Cal.—The Masonic Hall Association of Richmond has filed articles of incorporation with County Clerk J. H. Wells for the purpose of financing the construction of a lodge building in Richmond. The capital stock is \$100,000.

Closing Date Changed. Bids Close August 25, 1919.

**TOWN HALL.** Cost, \$45,500  
ANTIOCH. Third and Fourth Sts.

Two-story and basement concrete Town Hall.

Owner—Town of Antioch.

Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

NOTE.—Bids were to have been opened on August 11th at 5 P. M.

LOS ANGELES, Cal.—Los Angeles Elks' Lodge No. 99 is contemplating the erection of a new clubhouse and lodge building. The question of a new home for the lodge has been under consideration for some time and a building committee has been appointed to consummate the project.

Leo V. Youngworth is chairman of the committee. The lodge will require a close-in location and a building to cost from \$1,000,000 to \$2,800,000.

Plans Being Figured. Bids Close September 3, 1919, 10 A. M.

**ALTERATIONS** Cost, \$—  
SAN LEANDRO, Alameda Co., Cal.

County Hospital.

Alter two-story frame hospital. Owner—Alameda County.

Architect—Henry H. Meyers, Kohi Bldg., San Francisco.

## HOSPITALS.

PASADENA, Los Angeles Co., Cal.—A six-story addition to the Pasadena Hospital will soon be built at a cost of about \$500,000. A committee headed by David Blankenhorn will select an architect to prepare plans. Other members of the committee are Theodore Coleman, Judge G. A. Gibbs, Mrs. Geo. E. Hale, Dr. Chas. D. Lockwood, John McWilliams and John S. Cravens.

#### Plans Being Figured.

ADDITION Cost, \$50,000  
WOODLAND, Yolo Co., Cal.  
Reinforced concrete and brick addition to sanitarium.

Owner—Woodland Sanitarium.  
Architect—W. H. Weeks, 75 Post St., San Francisco.

### HOTELS.

#### Plans Being Figured.

HOTEL Cost, \$—  
SANTA ANA, Orange Co., Cal. North Broadway and Birch St.  
Three-story and basement Class "A" or "C" hotel building, 70 rooms, 35 bathrooms.

Owner—A syndicate of Santa Ana men. W. A. Huff, John Cubbon, H. F. Forgy, G. B. Shattuck, and A. J. Crookshank are trustees.

Architect—Myron Hunt, 1017 Hibernian Bldg., Los Angeles.

Bids will be received for both a building of Class "A" reinforced concrete construction, and for one of Class "C" construction, partly reinforced concrete and partly frame and plaster construction. Both proposals will provide for reinforced concrete up to the second floor level.

#### Plans Being Figured.

STORES & HOTEL Cost, \$—  
LOS ANGELES, Cal. NW Eighth and Hope Streets.

Eight-story and basement Class "A" reinforced concrete stores and 55x126(154 guest rooms and 63 bath rooms).

Owner—Henry Biescar.  
Architect—W. J. Saunders, Laughlin Bldg., Los Angeles, Cal.

#### Preliminary Sketches Prepared.

HOTEL Cost, \$200,000  
CAPITOLA, Cal. Site of present Capitola Hotel.

Fireproof hotel building.  
Owner—H. Alan Rispin, San Francisco.

Architect—Geo. E. McCrea, 1st National Bank Bldg., Oakland.

### POWER PLANTS.

PHOENIX, Ariz.—The Council and Board of Governors of the Salt River Valley Water Users' Association have decided to build a 5000 kilowatt steam generating plant to supplement the hydro-electric plant at Roosevelt. The new plant will cost approximately \$500,000. The power plant will serve 60 wells with pumps which are being constructed by the association to lower the underground water level. Superintendent W. R. Elliott has gone to Los Angeles to make arrangements for the equipment and for financing the project. A loan will be secured to be repaid out of the earnings of the plant.

WINTHROP, Shasta Co., Cal.—Owners of the Bully Hill Mines are planning the construction of an electrolytic plant costing in the neighborhood of \$75,000. The oil floatation plant completed over a year ago at a cost of \$75,000 will be a feeder to the electrolytic plant.

LOS ANGELES, Cal.—The Board of Public Service has filed claims for the city on locations for the proposed city power plants on the South Fork of the Kern River above the Southern California Edison Co.'s great power project. E. F. Scattergood, Chief Engineer of the Power Bureau, estimates the cost of the new project at \$10,000,000. The proposed Kern River power plant No. 1 will develop 20,000 H. P. The work will be financed out of the earnings of the Power Bureau.

CHICO, Butte Co., Cal.—Improvements on the local plant of the Pacific Gas & Electric Co., recently estimated at \$30,000, will cost nearly \$40,000, according to announcement made by H. B. Heryford, local manager of the company. Heryford said the construction of an additional building added \$10,000 to the expenses.

Plans will be prepared by the Engineering Department of the Company.

PLACERVILLE, El Dorado Co., Cal.—A. C. Miller and P. E. P. Marshall, P. O. Box 92, Quincy, Cal., are making location surveys for proposed enlargements of the hydro-electric power project of the Western States Gas & Electric Company on the American River above Placerville.

### RESIDENCES.

#### Plans Being Figured.

RESIDENCE Cost, \$20,000  
PEBBLE BEACH, Monterey Co., Cal.  
Two-story and basement frame and plaster residence (9 rooms and garage and 2 bathrooms.)

Owner—B. F. Mackall.  
Architect—Louis M. Upton, 454 Montgomery St., San Francisco.

#### Working Drawings Being Prepared.

RESIDENCE Cost, \$40,000  
SAN FRANCISCO. Western Addition  
Two-story and basement reinforced concrete and frame residence (12 rooms, 4 bathrooms and basement garage).

Owner—Withheld.  
Architect—Louis M. Upton, 454 Montgomery St., San Francisco.

#### Sketches Prepared.

RESIDENCE Cost, \$12,000  
SAN FRANCISCO. Western Addition  
One-story and basement frame and plaster residence (7 rooms and garage).  
Owner—Withheld.  
Architect—Louis M. Upton, 454 Montgomery St., San Francisco.

#### Contract Awarded.

BUNGALOW Cost, \$8,300  
SAN FRANCISCO. Westwood Park.  
Frame bungalow, 9 rooms.  
Owner—W. D. Blair.  
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.  
Contractor—Phillip Grell, 90 Haight St., San Francisco.

Sub-Figures Being Taken. Heating and Plumbing Contracts Awarded  
RESIDENCE Cost, \$22,000  
SAN FRANCISCO. Presidio Terrace.  
Two-story and basement frame and plaster residence.

Owner—M. H. Salz, San Mateo.  
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Contractor—Marcus Marcussen, 201 Sansome St., San Francisco.

Mr. Marcussen has awarded the following contracts:

Heating to Scott Co.  
Plumbing to F. W. Snook & Son.

#### Figures Being Taken.

RESIDENCE Cost, \$30,000  
HILLSBOROUGH, San Mateo Co., Cal.  
Two-story and basement frame residence.

Owner—E. B. Breeden.  
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.

#### Plans Being Prepared.

RESIDENCE, ETC. Cost, approximately, \$250,000.  
SAN RAFAEL, Marin Co., Cal. Petaluma Avenue, 38 acres.

Two-story large concrete, steel and tile residence, swimming tanks, landscaping, etc.

Owner—Mr. and Mrs. Leon F. Douglass, Petaluma Ave., San Rafael.  
Architects—W. T. Karcher & Livingston Smith of Philadelphia and N. W. Sexton, Merchants National Bank Bldg., San Francisco.

Mr. Sexton is working on sketches to forward to the Eastern architects. It is planned to have work start about March, 1920.

#### Plans Being Figured.

RESIDENCE Cost, \$10,000  
HILLSBOROUGH, San Mateo Co., Cal.  
Two-story frame and plaster residence (8 rooms).

Owner—Withheld.  
Architect—Chas. H. Skidmore, 616 Call Bldg., San Francisco.

#### Completing Plans. Ready For Figures in About a Week.

RESIDENCE Cost, \$12,000  
SAN FRANCISCO. Merritt Terrace.  
Two-story frame residence (10 rooms plaster exterior).

Owner—G. M. Merritt.  
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.  
(28349) 1st report June 28, 1919.

#### Contract Awarded.

RESIDENCE Cost, \$39,400  
LOS ANGELES. Corner Fifth Street and Plymouth Blvd.

Two-story and basement frame residence (14 rooms, 4 bathrooms, etc.)

Owner—Henry W. Louis, 1716 South Los Angeles St., Los Angeles.  
Architect and Contractor—The Milwaukee Bldg. Co., 317 Wright & Callender Bldg., Los Angeles.  
201

#### Plans Being Figured.

RESIDENCE Cost, \$—  
SAN FRANCISCO. N Green St., bet. Broderick and Divisadero Sts.  
Two-story and basement frame and plaster residence and garage.

Owner—Alfred Hanfly.  
Architects—Ward & Blohme, Alaska Commercial Bldg., San Francisco.

## To be Done by Days Work.

RESIDENCE Cost, \$—  
 GLEN ELLEN, Sonoma Co., Cal.  
 Two-story fireproof residence.  
 Owner—Mrs Jack London, Glen Ellen  
 Architect—Harry Merritt, 1801 Van  
 Ness Ave., San Francisco.  
 Sub-figures are being taken.

## SCHOOLS.

SAN JOAQUIN, Fresno Co., Cal.—  
 The following bids were received by  
 the Trustees of the San Joaquin  
 School District for the construction  
 of the new school building. R. D.  
 Gould awarded the contract.

R. D. Gould.....\$16,189  
 D. A. Evans.....17,896  
 Frederickson & Shannon.....18,300

The building will contain two class  
 rooms and auditorium. Plans were  
 prepared by Architects Swartz and  
 Swartz, Fresno, Cal.

## Contract Awarded For Madera High School Gymnasium.

MADERO, Madero Co., Cal.—From  
 plans prepared by Architects Swartz  
 & Swartz, Fresno, for the new gym-  
 nasium building to be erected for the  
 Madera Union High School District  
 the following bids were received:  
 W. N. Brown (awarded).....\$14,381  
 W. B. Brown.....15,695  
 R. A. Evans.....17,000

MARYSVILLE, Yuba Co., Cal.—Bids  
 received by the Trustees of the Cordua  
 School District for the Construction  
 of a concrete school building are over  
 the estimate. Bonds of \$12,000 were  
 voted to finance construction of the  
 building which will contain two  
 rooms. Bids received by the Board  
 follow:

W. R. Campbell, Sacramento, con-  
 crete, \$13,350; frame, \$12,400.

John O. Palm (address not given),  
 Frame, \$10,993; no bid for concrete  
 construction.

New bids will probably be called  
 from revised plans by Architect  
 Chester Cole, Chico, Cal.

MERCED, Merced Co., Cal.—Until  
 3 P. M., of September 2, 1919, bids will  
 be received by the Board of Trustees  
 of the Merced Union High School Dis-  
 trict for the erection of new high  
 school buildings at Merced in accordance  
 with plans and specifications  
 prepared by Architects Allison & Al-  
 lison, 1405 Hibernian Bldg. The au-  
 ditorium will be omitted for the present  
 and a special election called to  
 vote \$50,000 for the erection of the  
 auditorium section. Bids will be re-  
 ceived on segregated contracts but  
 contracts No. 1 and No. 2, as pre-  
 viously advertised, including excavat-  
 ing, concrete, masonry, terra cotta,  
 and carpenter work, will be combined  
 in one contract.

Plans Being Figured. Bids Close Sept.  
 10, 1919, 4:15 P. M.

ADDITION Cost, \$—  
 BERKELEY, Alameda Co., Cal. Will-  
 ard and Burbank Schools.  
 Two-story frame addition to Burbank  
 School and a one-story frame ad-  
 dition to the Willard School.  
 Owner—City of Berkeley.  
 Architects—Jas. W. Plachek, 2014  
 Shattuck Ave., Berkeley (Willard  
 School) and W. H. Ratcliff Jr., 1st  
 National Bank Bldg., Berkeley

(Burbank School).

Plans may be obtained from the Ar-  
 chitects' offices on a deposit of \$10.  
 Figures will be taken on the follow-  
 ing segregated contracts:

1. Excavating, grading, concrete and brick work.
2. Carpentry, glass and glazing, sheet metal and iron work.
3. Plastering.
4. Painting.
5. Plumbing.
6. Tile roof.
7. Tile work.
8. Electrical work.
9. Heating and ventilating.

Plans Being Figured. Bids Close Sept.  
 2, 1919, 4:15 P. M.

ADDITION Cost, \$—  
 BERKELEY, Alameda Co., Cal. Edi-  
 son School and John Muir School)  
 One-story brick addition to Edison  
 School and a frame addition to  
 the John Muir School.

Owner—City of Berkeley.  
 Architects—Jas. W. Plachek, 2014  
 Ave., Berkeley (John Muir School)  
 and W. H. Ratcliff Jr., 1st Na-  
 tional Bank Bldg., Berkeley (Edi-  
 son School).

Plans may be obtained from the Ar-  
 chitects' offices on a deposit of \$10.  
 Figures will be taken on the follow-  
 ing segregated contracts:

1. Excavating, grading, concrete and brick work.
2. Carpentry, glass and glazing, sheet metal and iron work.
3. Plastering.
4. Painting.
5. Plumbing.
6. Tile roof.
7. Tile work.
8. Electrical work.
9. Heating and ventilating.

Bids to be Called Within Next Few  
 Days.

GYMNASIUM BLDG. Cost, \$—  
 MT. DIABLO, Contra Costa Co., Cal.  
 Owner—Mt. Diablo Union High School  
 District. E. Eicher, Clerk, Con-  
 cord, Cal.  
 Architect—Wm. J. Wright, Bank of  
 Italy Bldg., Stockton, Cal.

Bids To Be Called Next Month.

SCHOOL Cost, \$40,000  
 YREKA, Cal. Yreka Grammar School  
 One-story brick and concrete gram-  
 mar school (8 rooms and an audi-  
 torium).

Owner—Yreka School District.  
 Architect—Henry C. Smith, Humboldt  
 Bank Bldg., San Francisco.

Contract Awarded.  
 SCHOOL Cost, \$22,430

MENDOTA, Fresno Co., Cal.  
 One-story brick, tile and stucco school  
 (3 rooms and an auditorium).  
 Owner—Mendota School District.  
 Architect—Ernest J. Kump, Rowell  
 Bldg., Fresno.

Contractor—Jas. L. Daly, Fresno.  
 (28702) 1st report July 18, 1919

Plans Being Prepared.  
 SCHOOLS Cost, \$12,000

SAUCELITO, Tulare Co., Cal.  
 School building.  
 Owner—Saucelito School District.  
 Architect—M. P. Renfro, Porterville.  
 Plans Being Prepared.  
 BUNGALOWS Cost, \$5,000 to \$10,-  
 000 each.

SAN FRANCISCO. Westwood Park.  
 Six frame bungalows.  
 Owner—H. C. Bauman, 251 Kearny  
 St., San Francisco.  
 Architect—H. C. Bauman, 251 Kearny  
 St., San Francisco.

## BIDS WANTED FOR PLASTERING AND ELECTRIC WORK.

SAN FRANCISCO.—Architect W. D.  
 Shea, 244 Kearny St., is taking figures  
 for plastering and electric work in  
 connection with the construction of a  
 two-story reinforced concrete school  
 building at 14th avenue and I street,  
 for St. Ann's Parish.

Preliminary Plans Approved.  
 SCHOOL BLDGS. Cost, \$250,000

SANTA ROSA, Sonoma Co., Cal.  
 Two-story brick and concrete school  
 buildings (High School and Mem-  
 orial Hall and a grammar  
 school).

Owner—City of Santa Rosa.  
 Architect—W. H. Weeks, 75 Post St.,  
 San Francisco.

A bond election will be held in the  
 near future.

COVINA Los Angeles Co., Cal.—J.  
 F. Atkinson, 1118 Story Bldg., sub-  
 mitted the lowest bid on the general  
 contract at \$26,600 for the erection of  
 a 1-story grade school building at  
 Covina, plans for which were pre-  
 pared by Architect John C. Austin,  
 1125 Baker-Detwiler Bldg. J. Hokom,  
 4312 Moneta Ave., Los Angeles, sub-  
 mitted the lowest bid at \$2,687 on the  
 plumbing; the Alhambra Wall Paper  
 & Paint Co., Alhambra, the lowest bid  
 at \$2175 on the painting and tinting;  
 the Cole Mfg. Co. submitted the only  
 bid at \$744.80 on the gas heating sys-  
 tem, and Winder & Jones of Covina,  
 submitted the only bid at \$947 on the  
 electric wiring. The bids were taken  
 under advisement.

Plans Being Figured. Bids Close  
 August 31, 1919.

SCHOOL Cost, \$10,000  
 CAPAY, Yolo Co., Cal.  
 One-story hollow tile school.  
 Owner—Capay School District.  
 Architect—W. H. Weeks, 75 Post St.,  
 San Francisco.

Plans Being Prepared.  
 SCHOOL Cost, \$100,000

CLOVIS, Cal.  
 Fireproof school.  
 Owner—Clovis Union Grammar  
 School.  
 Architect—W. H. Weeks, 75 Post St.,  
 San Francisco.

The bond election for \$100,000 on  
 August 15th, carried.

Plans to be Prepared.  
 SCHOOL Cost, \$90,000

ANTIOCH, Cal.  
 Fireproof school (type not decided).  
 Owner—City of Antioch.  
 Architect—W. H. Weeks, 75 Post St.,  
 San Francisco.

MODESTO, Stanislaus Co., Cal.—  
 The City Board of Education has  
 awarded a contract to Hoffman &  
 Rhein for the installation of a heating  
 plant in the Seventeenth street school  
 on their bid of \$3,850.

HANFORD, Kings Co., Cal.—The Trustees of the Delta View School District, S. M. Ingram, Clerk, have awarded a contract to U. C. Bock of Hanford at \$5,033 for remodeling the present school building. The only other bidder was Carl Nelson of Hanford at \$5,190. The work will cover the installation of a sanitary air pressure water system, septic tank, erection of pump house, electric work, etc.

### STORES AND OFFICES.

Plans Being Figured.  
ALTERATIONS Cost, \$5,000  
SAN FRANCISCO. Front and Halleck Streets.

Alter one-story and basement brick store building (change partitions, new hardwood partitions, etc.)

Owner—Withheld.  
Architect—W. H. Crim, 425 Kearny St., San Francisco.

Contract Awarded.  
OFFICE BLDG. Cost, \$—  
HONOLULU, T. H. Bishop, Merchant, Alaska and Queen Sts.

Four-story reinforced concrete office and store building.

Owner—Theo. H. Davies & Co., Ltd.  
Architect—Louis C. Mullgardt, Chronicle Bldg., San Francisco.

Contractor—Pacific Constr. Co., Honolulu, T. H.  
Terra cotta awarded to Gladding, McBean & Co., Crocker Bldg., San Francisco.

Plans Being Figured.  
RICHMOND, Contra Costa Co., Cal.  
Macdonald Avenue.

STORE Cost, \$13,000  
One-story and basement reinforced concrete store.

Owner—Withheld.  
Architect—W. H. Crim, 425 Kearny St., San Francisco.

Figures are being taken for a general contract.

Plans Being Prepared.  
DEPT. STORE. Cost, —  
SAN DIEGO, Cal. 5th St. and Broadway.

Eight-story Class "A" reinforced concrete department store building, 100x100.

Owner—The Holzwasser, Inc.  
Architect—John T. Vawter and Emmor B. Weaver, associated, 500 26th St., San Diego, Calif.

There will be a restaurant and roof garden on the top story. Excavation will start about September 5. Plans will be completed about November 1.

Contract Awarded.  
FURNITURE STORE Cost, \$50,000  
MODESTO, Stanislaus Co., Cal. 11th Street bet. I and J Sts.

Three-story and basement brick furniture store, 50x130.

Owner—George Perley, For Johnston-Wherry Furniture Co.  
Architect and Contractor—George J. Ulrich, 419 Sycamore St., Modesto

Plans Being Figured.  
OFFICE BLDG. Cost, \$60,000  
SAN FRANCISCO. N California and Front Streets.

Three-story and basement brick office building, 98½x94 with 44' L (stone front).

Owner—Geo. E. Billings.

Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

NOTE:—Figures are being taken for a general contract.

Contract Awarded.  
ALTERATIONS Cost, \$—  
SAN FRANCISCO. California St.

Alter office building.  
Owner—Withheld.

Architect—C. W. McCall, Central Bk. Bldg., Oakland.

Mr. McCall is taking figures for altering the upper floors of this building by changing partitions, tearing out Oregon pine trim and replacing with oak.

P. J. Lynch, 110 Jessie St., has been awarded a contract for altering the ground floor and is among the contractors figuring the balance of the work.

Plans Being Prepared.  
AUTO SALES ROOM Cost, \$40,000  
SAN FRANCISCO. NE Van Ness and Pacific Avenues.

One-story reinforced concrete auto sales room.

Owner—M. L. Levy.  
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

### THEATRES.

Plans Being Prepared.  
THEATRE Cost, \$—  
ANAHEIM, Orange Co., Cal.

Brick motion picture theatre, 75x100. 900 seating capacity.

Owner—Hugo Stroh.

Lessee—G. T. Ingram.  
Architect—E. J. Borgmeyer, 317 Stimson Bldg., Los Angeles.

Contract Awarded on a Percentage Basis.

THEATRE. Cost, \$75,000  
EUREKA, Humboldt Co., Cal. 4th and "G" Streets.

Reinforced concrete theatre building, 70x120 (seating capacity 1200).

Owner—Richard Sweasey, 402 "G" St., Eureka.

Architect—Reid Bros., 105 Montgomery St., San Francisco.

Lessee—Ackerman & Harris (Hippodrome Circuit).

Contractor A. Anderson of Eureka has been awarded the contract on a percentage basis and will take sub-figures. The building occupying the site is now being torn down.

Contract Awarded.  
THEATRE & STORES. Cost, \$40,000  
PITTSBURG, Contra Costa Co., Calif.

Railroad street.

Two-story brick theatre and 4 stores.

Owner—E. Enea & Bros., Pittsburg.

Architect—A. W. Cornelius, Merchants National Bank Bldg., San Francisco.

Contractor—J. F. Shepherd, 1019 Verinal Way, Stockton, Calif.

(24547) 1st report Sept. 23, 1918; 5th July 11, 1919.

LOS ANGELES, Cal.—The following contracts have been let by Earl B. Newcomb, engineer and superintendent of construction of the new Pantages Theatre building in course of erection on the northwest corner of Seventh and Hill streets. The plumbing, gas piping, heating and ventilating to Arthur Hess, Baker-Detwiler Bldg.; the electric wiring to the Gold-

en State Electric Co., 745 West 5th street; the exterior terra cotta to Gladding, McBean & Co.; the sand and gravel to the Los Angeles Sand and Gravel Co.; automatic sprink system to the Pacific Fire Extinguisher Co.

Plans Being Figured.  
THEATRE Cost, \$60,000

VALLEJO, Solano Co., Cal.

One-story steel frame and hollow theatre building.

Owner—Bell Amusement Co.

Architect—Bernard J. Joseph, (Bldg., San Francisco.

## Engineering.

### BONDS.

ARCADIA, Los Angeles, Co., Cal. Bonds to the amount of \$150,000 voted to increase and extend the water supply. Additional wells will be drilled and another reservoir 1,000,000 gallons capacity will be constructed. Water will be pumped from the existing reservoir into the one. H. S. Gierlich, City Engineer will have charge of the new work. Willis S. Jones of Claremont is consulting engineer.

BAKERSFIELD, Kern Co., Cal. The Oldale Water District No. 1 voted bonds of \$40,000 to finance construction of a water works. The system will be constructed under the supervision of County Surveyor A. Stegeman. A permanent steel pipe system will be laid.

FRESNO, Fresno Co., Cal.—An election will be held in municipal improvement district No. 1, North Fresno, on September 10, to vote on suing \$200,000 bonds for constructing a sewer system. A previous issue was declared invalid after it had been taken and a contract awarded.

PLACERVILLE, El Dorado Co., Cal.—D. E. Henry, senior highway engineer, has completed an inspection of the roads in the proposed Marshall boulevard district. He for the district to include 55.45 miles road, with an additional 4.75 miles connect Placerville with the boulevard from Chili bar bridge and from Flume to the city limits.

Engineer Henry will submit estimates of the cost and recommendations as to the best type of construction that can be undertaken with \$150,000 proposed bond issue.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—The County Supervisors have set September 23rd as the date to vote on the question of issuing bonds of \$1,500,000 with which to finance the construction of a county highway system. If the issue carries the proceeds of the sale of the bonds will be expended as follows: \$115,000 for the bridge across the San Luis River at San Miguel.

\$3,000 for the road from Paso Robles to Estrella.

\$5,000 for the road from Paso Robles to Creston.

\$50,000 for the highway through city of Paso Robles.

\$3,000 for the Shandon bridge.  
 \$30,000 for the highway north-  
 erly to San Luis Obispo to Cambria, and  
 \$5,000 further as funds will permit.  
 \$5,000 for the highway through the  
 city of San Luis Obispo.  
 \$9,000 for the Courthouse site.  
 \$9,000 for the Santa Maria bridge.  
 \$98,000 for the roads from Oceano  
 to Arroyo Grande, from Huasna  
 to Arroyo Grande, Nipomo to Guadalupe,  
 to Rio House to Avila, and from San  
 Luis Obispo to Edna.  
 \$5,000 for the highway through  
 the city of Arroyo Grande.  
 \$9,000 for the road from Santa  
 Barbara to the Carls Plains.  
 \$9,000 for the road from the town  
 of Templeton west.  
 \$9,000 for the road from Atascas-  
 cadero west to the Pacific Ocean.

**PARADISE**, Butte Co., Cal.—The  
 directors of the Paradise Irrigation  
 district are planning a bond issue of  
 \$40,000 with which to make improve-  
 ments on the present system. It is  
 proposed to put in a thirty-six inch  
 pipe for the main canal.

**REDDING**, Shasta Co., Cal.—Prelim-  
 inary steps are underway to call  
 for bond issue for \$750,000 with which  
 to build a permanent system of good  
 water.

## DIGGES, DAMS AND HARBOR WORK.

**EUREKA**, Humboldt Co., Cal.—  
 received by the County Super-  
 visors for the construction of the  
 Canyon Crossing bridge have been  
 rejected by the County Supervisors as  
 being too high. The bids were:  
 Figgett & Kelly, \$12,040.  
 Englehart Paving & Constr. Co.,  
 \$11,900.  
 It is probable that new bids will be  
 called.

**RED BLUFF**, Tehama Co., Cal.—  
 The County Supervisors have direct-  
 ed Weeks & Day, Architects and En-  
 gineers, Phelan Bldg., San Francisco,  
 to prepare plans and specifications  
 for seventeen concrete and steel  
 bridges to be constructed in Tehama  
 county, they being low bidders at two  
 and seven-eighths per cent, provided  
 they were given the contract on all  
 the work, or three per cent other-  
 wise.

Other bidders were de Waard Bros.  
 in Diego and Redding, two and  
 one-fourths per cent; A. V. Saph-  
 ire, one per cent, and John B. Leonard  
 two per cent.  
 The estimated cost of the bridges  
 is about \$92,000.

**EUREKA**, Humboldt Co., Cal.—  
 County Surveyor Arthur J. Logan has  
 been instructed by the County Super-  
 visors to prepare plans and specifica-  
 tions for a bridge across the Mattole  
 river at White Thorn, located be-  
 tween Breckland and Shelter Cove, the  
 distance to cost approximately \$10,000.

Plans were also ordered prepared  
 for structure to span Camp Creek,  
 which crosses the county road be-  
 tween the Salsom place and Orleans  
 place.  
 The County Clerk has been in-  
 structed to call for bids on completion  
 of the plans.

**YUBA CITY**, Sutter Co., Cal.—Bids  
 have been ordered received by the  
 County Supervisors up to September  
 2nd for the construction of bridges  
 that will span Auburn ravine, Coon  
 creek and Ping creek, respectively.  
 Plans may be had from the County  
 Clerk at Yuba City.

**SAN ANDREAS**, Calaveras Co., Cal.  
 —Bids will be received by the County  
 Supervisors, A. W. Poe, County Clerk,  
 up to September 2nd, 1 p. m., for fur-  
 nishing all material and labor for the  
 construction complete of a reinforced  
 concrete bridge at O'Neill's Crossing,  
 on the Bellota Valley Springs road.  
 Plans may be had from the County  
 Clerk at San Andreas.

**FRESNO**, Fresno Co., Cal.—The  
 County Supervisors have awarded a  
 contract to J. E. Mitchell, 206 Strau-  
 ther St., Fresno, at \$21.75 per cubic  
 yard for concrete for the construction  
 of the Gould Ditch bridge.

The bid for lumber to be used in  
 connection with the work was \$90 per  
 thousand feet.

**MERCED**, Merced Co., Cal.—Bids  
 will be received by the County Super-  
 visors up to September 3rd, 10 A. M.,  
 for the construction of a reinforced  
 concrete bridge across the Merced  
 river to be known as "Milliken Bridge  
 No. 64B" and located on the Milliken  
 Road in Road District No. 4.

Plans may be had from the County  
 Clerk at Merced.

**WILLOWS**, Glenn Co., Cal.—The  
 contracts for the following bridges  
 have been awarded by the County Su-  
 pervisors to F. H. Neilson, 8th St., Or-  
 land, Glenn County:

Willows creek bridge, District No.  
 4, \$7,200; Salt Creek bridges, District  
 No. 3, \$3,160; Westberg bridge, Dist.  
 No. 5, \$6,800.

The contract for the Gravel Pit  
 bridge was awarded to W. R. Zumwalt  
 at \$2,100.

**WILLOWS**, Glenn Co., Cal.—Bids  
 received by the County Supervisors  
 for the construction of the Millsaps  
 bridge have been rejected. The work  
 was ordered done under the super-  
 vision of Joe Sale, County Supervisor  
 in that district.

**EUREKA**, Humboldt Co., Cal.—Pad-  
 gett & Kelly have been awarded a  
 contract by the County Supervisors  
 for the construction of the Van Duzen  
 bridge on their bid of \$29,858. Other  
 bids were:

Englehart Paving & Construction  
 Co., \$31,200; Mercer-Fraser Co., \$33,-  
 400.

D. C. Farnell was awarded the con-  
 tract for the construction of a new  
 span in the present bridge across the  
 North Fork of Mad River at Korbel  
 at \$1,661. Other bids were:

Padgett & Kelly, \$1,960; F. G. Ber-  
 rand, \$2,025.

**WILLOWS**, Glenn Co., Cal.—Bids  
 received by the County Supervisors  
 for the construction of a bridge over  
 Stony Creek are as follows:  
 The Cotton Macauley Co., \$24,893  
 F. H. Neilson, 23,420  
 Contract awarded to F. H. Neilson,  
 8th St., Orland.

**OROVILLE**, Butte Co., Cal.—Engi-  
 neers of the Pacific Gas & Electric  
 Co. have submitted a favorable report  
 for the construction of the proposed  
 reservoir in Concow Valley, according  
 to Wm. Boucher, Manager of the  
 United Chamber of Commerce of Oro-  
 ville. The reservoir will have a ca-  
 pacity with sufficient water to irrigate  
 20,000 acres.

**SAN LEANDRO**, Alameda Co., Cal.  
 —Owing to the dangerous conditions  
 for pedestrians in crossing the elec-  
 tric car rails on East Fourteenth  
 street in approaching the concrete  
 bridge over the San Leandro creek,  
 the City Trustees of San Leandro have  
 decided to seek financial aid from the  
 County Supervisors in widening the  
 bridge to the full width of East  
 Fourteenth street, as the cost of the  
 improvement is too great for the city  
 of San Leandro to undertake.

J. J. Gill is City Clerk of San Le-  
 andro.

**SAN FRANCISCO**—The Montague  
 Pipe & Steel Co., Hobart Bldg., San  
 Francisco, has been awarded a con-  
 tract by the Board of Public Works  
 for furnishing and delivering pipe  
 under Hetch-Hetchy Contract No. 72.  
 The Works Board has requested the  
 Supervisors to appropriate \$8,102.10  
 to cover the cost of the contract.

**MONTEREY**, Monterey Co., Cal.—  
 The City Council is considering the  
 appointment of Fred H. Tibbitts,  
 Alaska Commercial Bldg., San Fran-  
 cisco, to prepare surveys for im-  
 provements on the Monterey harbor.  
 Other engineers who are seeking  
 appointment are: Howard Cozzens  
 and Lou G. Hare.

**YUBA CITY**, Sutter Co., Cal.—The  
 County Supervisors have rejected the  
 only bid received for the construction  
 of the Mawson bridge over Butte  
 Slough, near West Butte, this being  
 the bid of the Cotton-Macauley Co., 16  
 California St., San Francisco, at \$104,-  
 300.

It was decided to construct the  
 bridge by day labor under the super-  
 vision of County Surveyor Edward  
 Von Geldern and Engineer Erle Cope,  
 First National Bank Bldg., San Fran-  
 cisco.

**OAKLAND**, Cal.—Bids will be re-  
 ceived by the City Council, L. W.  
 Cummings, City Clerk, up to 12 M.,  
 August 14th, for furnishing labor and  
 material for dry docking, cleaning,  
 painting and repairing the Dredger  
 "City of Oakland No. 2," and the  
 anchor and cable barges belonging to  
 same.

**NAPA**, Napa Co., Cal.—At the last  
 meeting of the County Supervisors the  
 County Engineer was instructed to  
 make surveys and prepare plans and  
 specifications for grading that portion  
 of the county road leading from Ruth-  
 erford to Pope valley, from the Din-  
 ning place to the Glauque bridge  
 across Sage creek, and from Dr. John  
 F. Robinson's place to the road lead-  
 ing down through Wooden valley.

Plans were also ordered prepared  
 for a reinforced concrete bridge  
 across Chiles Creek near the Chiles  
 road.

NAPA, Napa Co., Cal.—The following bids were received by the County Supervisors and taken under advisement for the construction of the Walnut Creek Bridge:

C. H. Gildersleeve, Napa, \$1620; Simon Lenz, St. Helena, \$1996; Frank Gaggero, Napa, \$1675; Harry Thorsen, St. Helena, \$985.

Bids were received for furnishing the county with 5,000 barrels of cement from the following firms:

Napa Lumber Co., Pacific Portland Cement Co., Frank G. Noyes Co. and H. C. Thompson. The bidders all submitted identically the same figures: F. o. b. at Napa, \$3.03; at Yountville, \$3.11; at St. Helena, \$3.15, and at Calistoga, \$3.17.

### IRRIGATION PROJECTS.

MARTINEZ, Contra Costa Co., Cal.—Phillip Schuyler, Consulting Engineer and an expert on irrigation, is in Martinez preparing data on the proposed water system for the cities in the eastern and central sections of Contra Costa County.

TURLOCK, Stanislaus Co., Cal.—The construction department of the Turlock Irrigation District is preparing to spend about a quarter of a million dollars of the district's money in extensions and repairs during the off-season, or period when the water is out of the ditches.

The work will include:

Lining about six miles of canal with 675,000 square feet of concrete at a cost of \$95,000; digging about fifteen miles of drainage ditches at a cost of \$104,000; clearing out the main laterals and putting in new structures, falls, etc., at a cost of \$26,000; enlarging a section of the main canal which takes the water out of the river below the La Grange Dam, \$15,000.

AUBURN, Placer Co., Cal.—A. J. Gladding of Lincoln, J. H. Herring of Roseville, J. A. Teagarden, J. A. Livingston and E. O. Amundsen have been named a committee by the Placer farm bureau to ascertain the sentiment of orchardists and farmers on the proposition of organizing an irrigation district to include all the irrigable land in the county.

MODESTO, Stanislaus Co., Cal.—The Modesto Irrigation district directors have adopted Engineer Percy F. Jones' revised report of the cost of improvements to be included in the coming bond election and will forward the same to the State Irrigation District Bond Commission at Sacramento.

The report calls for an expenditure of \$1,789,700 divided as follows: Don Pedro dam, \$1,182,700; power development \$192,000; transmission line and sub-station \$90,000; enlarging upper main canal \$150,000 and extension of the drainage system \$175,000. Increases are noted in the canal development and the drainage expenses, over the first report submitted last week.

Jones submitted an itemized report of the expenses for the transmission line, which will be 30 miles long and carry 44,000 volt of power. The expense will be as follows:

Poles and other equipment \$16,473; labor on same, \$7980; 546,000 feet of wire, \$19,110; labor stringing same, \$4,368; supervising work, \$473; substation, \$2,000; transformers, \$32,400; total, \$87,124.

ROSEVILLE, Placer Co., Cal.—The Directors of the County Farm Bureau have called a meeting in Auburn for the purpose of hearing reports of County Surveyor Barieau and United States Engineer Frank Adams on the proposed new irrigation district for the northern and western sections of the county.

Barieau will submit a map of the country to be served showing the possible water storage facilities and routes of laterals. Adams will talk on irrigation matters in general.

TERRA BELLA, Tulare Co., Cal.—Supt. Althouse of the Terra Bella Irrigation District has been instructed to contract for the making of sufficient 8-in. concrete pipe for the second unit of the infiltration gallery. Extensions to the distributing system are being considered. Supt. Althouse has been instructed to advertise for bids for drilling two more wells north of Terra Bella. Stephen E. Keiffer of San Francisco, is consulting engineer.

### MACHINERY.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors have authorized R. R. Arnold, County Surveyor, to purchase for use on the county highways one Denby Motor Truck and one wagon loader, the latter to cost \$1,750. J. H. Wells is County Clerk.

SAN ANDREAS, Calaveras Co., Cal.—Bids will be received by the Calaveras County Supervisors up to September 2nd, 1:30 p. m., for furnishing and delivering the following to the County Hospital: One reversible wooden washer, 30x48 inches, one drying tumbler, 30x40 inches, one 24-in. extractor, one mangle or ironer for sheets and flat work, 54-inch.

Bidders may also submit bids on second-hand mangle or ironer in 54-inch or 100-inch sizes.

### SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

FAKERSFIELD, Kern Co., Cal.—Until 5 P. M., August 35, bids will be received by City Clerk V. Vanriper, for constructing 8 inch and 6 inch vitrified, salt glazed pipe sewers in a portion of Olander Ave. The work will be done under the Improvement Act of 1911.

GRASS VALLEY, Nevada Co., Cal.—The City Trustees are considering the paving of the line of the State Highway lateral across the town site. The street committee was instructed to secure more data regarding the improvement.

LOS ANGELES, Los Angeles Co., Cal.—Geo. H. Oswald, O. T. Johnson Bldg., was awarded the contract at \$44,033.76 for the improvement of Normandie Ave., between Vernon Ave. and Fifth-Fourth St. Other bids received by the Board of Public Works were: Bryant & Austin, Inc., \$46,450.

76; Fairchild-Gilmore-Wilton Co., \$48,214.04; George R. Curtis, \$48,881.02.

SANTA ANA, Orange Co., Cal.—Until 5 p. m., August 25, bids will be received by City Clerk E. L. Vegely, for improving the west half of Maple St. between First St. and Walnut St., adjoining the Roosevelt School, by grading and paving with concrete base and asphalt surface; also for improving Grand Ave. between Fourth St. and Santa Clara Ave. Plans and specifications may be obtained from the City Engineer. Certified check for \$5% required.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors up to August 25th, 11 A. M., for the construction of Division No. 14 of the county highway system, being that portion between Division No. 8 near the east ¼ corner of Sec. 25, and about 1 mile east of Oakley, and runs to the town of Knightsen, a distance of 3.19 miles.

Plans and further information may be had from J. H. Wells, County Clerk at Martinez.

EUREKA, Humboldt Co., Cal.—The City Attorney has been instructed to prepare a resolution of intention providing for the opening and grading of Fifth street to Broadway.

CLOVIS, Fresno Co., Cal.—The City Trustees have decided to use an asphalt concrete base with bitulithic top dressing on the several streets to be paved in the near future.

In addition to the work formerly planned City Engineer Jensen has been instructed to prepare plans for the improvement of an additional half block beginning at Fifth street and running to the flume ditch on Pollasky avenue.

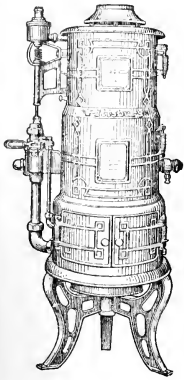
FORTUNA, Humboldt Co., Cal.—J. H. and L. Jones submitted the only bid to the City Trustees for the construction of the storm sewer on Lower C street at \$3.94 per foot.

The matter of awarding a contract was laid over for one week.

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, submitted the lowest bid at \$96,387.45 for the improvement of Morena Boulevard and Linda avenue in the City of San Diego, involving 343,424 sq. ft. paving of 1-3-6 concrete base with 1½-in. Warrenite surface; 8,169 cu. yds. excavation and 1,901 cu. yds. embankment in roadway, and 4,940.6 cu. yds. excavation and 4,122.3 cu. yds. embankment in the berms; 568 lin. ft. 12-in., 232 lin. ft. 18-in., 6 lin. ft. 24-in., 32 lin. ft. 36-in. cement pipe; one triple 5-ft. 6-in. by 8-ft. box culvert, 30 ft. long; one 3 ft. by 4 ft. box culvert, 47 ft. long. This is the last link connecting up the coast highway through La Jolla on San Diego to Los Angeles route.

SACRAMENTO, Cal.—Bids received by the San Joaquin County Supervisors for the improvement of the Jackson road from Perkins to the Concrete highway on the Jackson road, a distance of 6 miles, were rejected. Bids were submitted by the





## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

## PITTSBURG WATER HEATER CO.

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze      Will not explode  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
PLUMBER

221 Oak Street

Bet. Gough and Octavia

San Francisco

Pacific States Constr. Co., \$1.13 per sq. yd., and the Clark & Henery Construction Co.

The Clark & Henery Constr. Co. was the only bidder for a concrete stretch on the Winding Way road from the cement highway to Minnesota avenue in Fair Oaks.

Their bids on both projects were 18½ cents and 18.9 cents per sq. ft. The bids was rejected.

SANTA BARBARA, Cal.—J. P. Donahue, of Santa Barbara, was awarded the contract at \$9,722.42 for improving San Andreas St. between Canyon Perdido and Figueroa St., by grading and paving with 4-in. concrete base and 1½-in. Warrenite surface and constructing cement curb, gutters and driveways and 6-in. vitrified pipe sewer. Ira Hodson of Santa Barbara, was awarded the contract at \$4,939 for improving Quarantina St. between Victoria and Sola Sts., by grading and paving with 5 in. of concrete and constructing cement curbs, gutters and 6-in. vitrified pipe sewer connection. No other bid was received.

OAKLAND, Cal.—John Geary's Sons have been awarded a contract by the City Council for the construction of an 8" vitrified pipe sewer in Favor street from 73rd avenue to a point 59½ feet northwest including the construction of Y branches and brick manholes.

The Council has awarded a contract to Hutchinson Co., 444 17th St., Oakland, for the improvement of 38th avenue between E-14th street and the California Railway right-of-way. The work covers grading, concrete curbing and gutters, corrugated iron and concrete culverts and the laying of an oil macadam pavement.

REDDING, Shasta Co., Cal.—Bids were received from the following firms for the paving and guttering of Market street:

Chico Contracting Co., Clark & Henery Constr. Co., Teichert & Son, Federal Constr. Co., and F. A. Zimmermann, who put up no bond.

According to City Engineer Rolison the Chico Contracting Co. of Chico is low and will probably be awarded the contract.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—The following bids were received by the City Clerk of South San Francisco for improving Swift Avenue. The Raish Improvement Co., 46 Kearny St., San Francisco, was awarded the contract at approximately \$24,300.

Raish Imp. Co., (1) grading, 95c. cu. yd.; (2) asphalt paving, 21c. sq. ft.; (3) corrugated culverts, \$3.00 per lin. ft.

Fay Improvement Co., San Francisco, (1) 94c; (2) \$25.7; (3) \$2.49,

Blanchard, Crocker & Howell, San Francisco (1) 85c; (2) 24c; (3) \$3.00. The Blanchard, Crocker & Howell Co., 52 Second St., San Francisco, were awarded the contract for paving the grammar school yard for which bids were opened August 9th.

The Fay Improvement Co., San Francisco, has the contract and work has been started for improving certain streets in the High School Park addition.

SAN LEANDRO, Alameda Co., Cal.—Bids will be received by the City Board of Trustees up to September 9th for the macadamizing of Parrott street. Plans may be had from J. J. Gill, City Clerk of San Leandro.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees have instructed City Engineer R. H. Goodwin to prepare plans and specifications for a storm sewer along Alvarado street from Saunders to the creek.

SAN DIEGO, Cal.—Bids for erecting the new freight house for the San Diego & Arizona Railway Co. on Thirteenth street, will be received within the next 10 days, according to General Manager D. W. Pontius. The building will be two stories, 200 feet long, reinforced concrete construction. The second floor will be used for offices.

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock Doors, Sash Frames and Mouldings.

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BYCH  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
OREGON MAPLE-PLAIN OAK  
QUARTERED OAK-  
WYBROCK BENDING OAK  
POPLAR-WALNUT



BOXWOOD-EBONY-IRONBARK  
JUNIPER-KAL-SHAWHED CEDAR  
LIGNUMVITALE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SPOTTED GUM-CROSBY WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
DOWELS-TREENAILS-VEILERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

PIERCE-BOSQUIT

## Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET

# Building & Engineering News

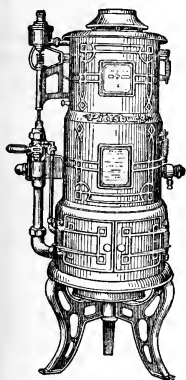
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., August 27, 1919

Published Every Wednesday  
Nineteenth Year, No. 3



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze Will not exude

Will not give off noxious gases

No thawing  
No leaking  
No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

## The Technical Engineers' Service Organization.

### Officers.

President—Dr. F. H. Newell, University of Illinois, Urbana, Ill.  
 First Vice-President—W. W. DeBerard, Western Editor Engineering News-Record, Chicago.  
 Second Vice-President—T. A. Evans, Structural Engineer, Meade-Morrison Co., Chicago.  
 Treasurer—John Ericson, City Engineer, Chicago.  
 Secretary—C. E. Drayer.

### Directors.

W. H. Finley, President, C. & N. W. Ry., Chicago, Ill. Past President.  
 W. W. K. Sparrow, Chief Engineer C. M. & St. P. Ry., Chicago.  
 P. E. Harroun, Consulting Engineer, San Francisco, Calif.  
 R. Burnham, Consulting Engineer, Chicago, Ill.  
 F. D. Richards, Bridge Engineer, City of Cleveland.  
 A. A. Matthews, Chief Engineer St. L. S. W. R. R., Tyler, Texas.  
 E. F. Collins, Valuation Engineer St. L. S. F. Ry., St. Louis.  
 C. H. Crawford, Baldwin Locomotive Works, Philadelphia.  
 Harold Albert, Consulting Engineer, Chicago.  
 F. K. Bennett, Principle Assistant Engineer M. & St. L. Ry., Minneapolis.  
 J. H. Prior, Consulting Engineer, Chicago.  
 Alexander Potter, Civil Engineer, New York City.  
 J. N. Hatch, Consulting Engineer, Chicago.

## NATIONAL HEADQUARTERS

29 S. La Salle St.

Chicago, Ill.

### San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F., Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co. ....	THIRD VICE-PRESIDENT

#### EXECUTIVE COMMITTEE

J. H. Knowles ..... W. P. R. R.  
 L. D. Howland ..... C. C. Moore Co.  
 J. F. Johnston ..... Union Const. Co.  
 I. G. Grundel ..... Union Oil Co.

#### AUDITING COMMITTEE

T. H. Brown ..... S. P. R. R.  
 E. B. Crane ..... C. M. & P. S. Ry.  
 P. J. Rowell ..... I. C. C.

#### COMPENSATION COMMITTEE.

J. M. Nelson.....Consulting Engineer  
 E. V. Vandercok ..... S. P. R. R.  
 W. T. Cleland .....  
 Chief Dep. Surveyor Santa Clara Co.  
 V. D. Cousins.....P. T. & T. Co.

#### FELLOWSHIP COMMITTEE

W. H. Rupp ..... S. P. R. R.  
**EMPLOYMENT REPRESENTATIVE.**  
 F. J. Amweg .....Consulting Engineer.

#### MEMBERSHIP COMMITTEE.

D. L. Reynolds.....Pacific Fruit Ex. Co.  
 F. J. Amweg .....Consulting Engineer  
 W. H. Rupp.....Southern Pacific R. R.  
 E. D. Brown.....Redwood Mfrs. Co.  
 Clarence D. Stone.....S. P. Co.  
 A. B. Hartley ..... S. P. Co.  
 H. W. Shrieber.....City of Oakland  
 F. E. Geibel ..... S. P. Co.  
 C. B. Newbury.....Interstate Com. Com.  
 J. F. Johnston ..... Union Const. Co.  
 E. V. Vandercok ..... S. P. Co.

#### INTER-CHAPTER ADJUSTMENT COMMITTEE.

A. G. Mott ..... S. P. Co.  
 O. R. West ..... A. T. & S. F. Co.  
 W. S. Wollner ..... N. W. P. Co.

#### QUALIFICATION COMMITTEE

W. H. Phelps ..... S. P. Co.  
 O. R. West ..... A. T. & S. F. R. R.

#### PUBLICITY COMMITTEE

E. D. Brown ..... Redwood Mfgs Co.  
 G. M. Nelson.....Consulting Engineer

#### POLITICAL COMMITTEE

E. H. Herbert ..... Oliver Mfg. Co.

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.  
 Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

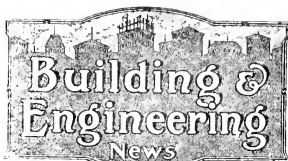
*San Francisco Chapter Office, 700 Marston Bldg.*

A. G. Mott, Secretary

244 Kearny St., S. F.

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.



ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.

J. P. FARRELL.....Exchange Editor

Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
500 Mission Street.  
Telephone—Douglas 2372.

# American Association of Engineers

## EDITORIAL STAFF.

George M. Nelson.....Consulting Eng.  
E. D. Brown.....Redwood Mfgs. Co.  
J. H. Knowles.....Ch. Eng. W. P. Co.  
D. L. Reynolds.....Pac Fruit Express.  
C. D. Stone.....S. P. Co.  
A. B. Hartley.....S. P. Co.  
H. W. Schrieber.....Union Con. Co.

## LOS ANGELES CHAPTER.

E. G. Sheibley.....President  
A. L. Harris.....Secretary  
E. Hardy Merrill.....Treasurer  
Chapter Office:  
Central Bldg., 6th and Main.

## SACRAMENTO CHAPTER.

W. S. Caruthers, Civ. Eng.....Pres.  
B. G. Gillette, Mech. Eng.....1st V.-P.  
R. Walsh, Civ. Eng.....2nd V.-P.  
G. H. P. Lichtward, Chem. Eng.....3d V.-P.  
H. A. Lathrop, Civ. Eng., Sec.-Treas.  
Chapter Office: 1331 33rd St.

## PORTLAND CHAPTER.

W. H. Marsh.....President  
W. H. McKeen.....1st Vice-President  
T. W. Saul.....2nd Vice-President  
O. Laurgaard.....3rd Vice-President  
R. W. Barnes.....Secretary  
C. F. Thomas.....Treasurer  
Chapter Office: 36 Union Station.

## FRESNO CHAPTER.

L. E. Smith.....President  
John A. Dron.....Secretary  
Chapter Office: 960 "S" St., Fresno.

## LOS ANGELES CHAPTER.

A called meeting of the Los Angeles Chapter of the American Association of Engineers was held on the evening of August 19th at Christopher's Cafe. There were twenty-five in attendance. A dollar dinner at 6:30 was followed by a business meeting when the matter of entertaining President Newell was discussed. The following officers were elected to hold office as permanent officers until a regular election can be held after the adoption of a constitution and by-laws by the local organization: President, E. G. Sheibley; Vice-President, C. W. Lawrence; Secretary, A. L. Harris, and E. Hardy Merrill, Treasurer. The following committee chairman were appointed: Auditing, F. C. McMillan; Qualification, E. R. Kuerr; Legislative, Prof. F. Thomas;

Publicity, E. Earl Glass; Compensation, A. J. Ford; Employment, G. C. Mattis; Membership, J. F. Lambert; Constitution and By-Laws, Prof. Franklin Thomas; Entertainment, Prof. C. W. Lawrence; Program, Prof. C. W. Cook, and Practice, C. H. Kemmerer. Plans were adopted to hold a called meeting of the Chapter and invited guests for the 29th at some place to be selected by the committee.

A meeting of the San Bernardino Chapter of the A. A. E has been called for the evening of August 25th at the Riverside County Court House. The following is the list of officers of the Chapter elected at the last meeting: President, B. B. Mann, City Engineer of Ontario; Vice-President, Mr. Kemmerer, of the San Bernardino County Surveyor's office; and Secretary-Treasurer, M. A. Woods, of the Santa Fe engineering staff at San Bernardino.

Arrangements are being made to entertain Dr. Newell with a banquet at the Mission Inn or Arrowhead Hotel on Saturday, August 30th.

## SACRAMENTO ENGINEERS GET SALARY RAISE

### Civil Service Board Passes on Last Batch of Attaches of Department.

The announced determination of the employees of the State Engineering Department to organize a labor union for the enforcement of salary claims is supposed to be successfully countered by the action of the State Board of Control and the Civil Service Commission in proposing and approving a readjustment of the pay roll of the department. Increases ranging between 12 and 15 per cent have been provided, with a minimum of \$125 and a maximum of \$300 a month. The maximum heretofore has been \$250. This is the first raise for the engineers and architects within five years.

The Civil Service Commission has also passed on salary readjustments for a number of architects in the department.

Increases had been previously allowed to employees of the California Highway Commission. — Sacramento Union, Aug. 20.

## CONGRESS OF THE UNITED STATES

### Joint Commission On Reclassification of Salaries

Washington, August 7, 1919  
San Francisco Chapter Office, A. A. E.,  
700 Marston Building,  
244 Kearny Street,  
San Francisco, Calif.

Attention: Mr. A. G. Mott.  
Gentlemen:

Although your Chapter, which we understand is affiliated with the American Association of Engineers, is some distance from Washington, the Reclassification Commission here is very much interested in salaries that are being paid on the coast, and your organization practically in its infancy as far as the coast is concerned, might be in a position to give us the ruling salaries that are being paid to the engineering services.

This data is required for the purpose of re-adjusting the salaries that have been paid by the Government and we are endeavoring to see that these employees shall receive the same compensation that is being paid in private life. In this manner only will the Government be able to retain efficient engineers.

Assuring you in advance of our appreciation of your co-operation, we are,

Very truly yours,  
FRANK J. GRAF,  
Division of Economic and Employment Research of the Reclassification Commission.

## NEWS FROM NATIONAL HEAD-QUARTERS.

The Joint Commission on Reclassification of Salaries, created by the 65th Congress is instructed to investigate the rates of compensation paid to civilian employees by the municipal government and other government establishments in the District of Columbia, it is engaged in making a preliminary classification. The Washington Chapter of the American Association of Engineers is securing information relative to the salaries of technical men included within the scope of the investigation of the Commission, is authorized to make, and is making

recommendations as to the revisions which should be made. The actual preparation of the Commission's report is being made by Arthur Young & Company, Efficiency Engineers.

As a contribution to the movement to obtain the appointment of an engineer to fill the vacancy in the Interstate Commerce Commission, Dr. F. H. Newell, President of the American Association of Engineers, has written to the President of the United States the following letter:

Dear Mr. President:

In view of the existing vacancy in the Interstate Commerce Commission, I desire to present on behalf of the American Association of Engineers the desirability, from the public standpoint, of appointing an engineer to be a member of that commission.

While it is understood that the duties are largely judicial, yet these have to do with matters of engineering concern, and for success are dependent upon accurate statements of fact, to be obtained only by experienced engineers. Many of its duties are constructive in character and look toward creative efforts in the initiation of which the characteristics of the engineer's training are needed.

Moreover, the commission in its valuation work is the employer of the largest number of skilled engineers in the United States, it could be only a fitting recognition of the engineers to appoint one of their number to a position on the commission itself.

The American Association of Engineers joins with other similar organizations in bringing this to your attention and respectfully urges favorable consideration.

Sincerely yours,

FREDERICK H. NEWELL,  
President American Association of Engineers.

One of the greatest statesmen in the United States, whose name cannot be disclosed, recently made the following statement concerning the activities of Engineering Council:

"Your task is appalling. You have been elected to lead engineers into a political reform. They are the most unresponsive citizens that we have. Your organization has a praiseworthy purpose, but if it were sponsored by almost any other group of reputable men than engineers there would be more promise of success. If your organization succeeds, I believe you will find that it will not be the engineers who have carried it through. Their aloofness and indifference in all matters outside of their own professional sphere are among the unexplainable things in our political life."

The American Association of Engineers is placing this statement before each of its members as an illustration of the opinion which politicians hold concerning the value of engineering organizations as political entities. His statement that their "aloofness and indifference in all matters outside of their political life," should act as a spur to every engineer, for no truer statement of this situation could be composed. The individual engineer must be made to realize that his direct co-operation is necessary if the political genesis of the profession is to be accomplished, and it is to this end that the American Association of

Engineers hopes to have the statement given the widest publicity among engineers.

The refusal of the President of the Borough of Queens to meet representatives of the Union of Technical Men who were asking an increase in salaries on the ground that "the talents of engineers and draftsmen differ so widely in value that they should establish a standard of salaries before making any demands upon the city of New York," has given a new impetus to the investigation of salary conditions in that city being made by the New York Chapter of the American Association of Engineers. The public service committee of the chapter is conducting a thorough investigation of conditions in city departments, on the Public Service Commission and among the members of the Transit Commission's force.

Questionnaires have been issued to all engineers in public service in the city and responses indicate that it will be but a short time until full data will be at hand upon which to base a schedule of salaries. When completed the report, together with whatever action the Chapter recommends, will be sent to the proper officials with a request for action.

#### SAFETY ENGINEERING.

Accidents in the iron and steel industry have decreased by more than two-thirds during the past ten years, as a result of the movement to enforce safety regulations, according to a report recently made by the Bureau of Labor Statistics. In 1907, the report shows, 245 men were killed or injured out of every 1,000 employed, while in 1917 the accident rate was reduced to 81 per 1,000. A further reduction would have been recorded in 1917 but for the dislocation of industrial processes to meet war needs, the report adds. The majority of accidents are declared to have resulted from defective machinery and the employment of inexperienced men.—Scientific American.

#### CALIFORNIA DISTILLATE.

Many Eastern motorists are asking what "distillate" motor fuel is and where it can be procured. In response to an inquiry the Bureau of Mines of the Department of the Interior has stated that the petroleum product manufactured in California and marketed extensively in the West under the name of "distillate" or "engine distillate" is obtained as follows: The crude is heated or "topped" in various types of stills or topping plants until the vapors reach a temperature of 400 to 500 degrees Fahr. The condensed vapors, "tops" or "first-run distillate," are rerun in steam or combination steam and fire stills, yielding the following products in the order named: Gasoline, engine distillate, stove oil, steam still bottoms. In most cases, the engine distillate is agitated with a sufficient quantity of concentrated sulphuric acid to make it water white, and then washed with caustic soda and water before marketing. Hence distillate or engine distillate is a refined rerun product coming between gaso-

line and kerosene. Its gravity is as a rule very close to 50 degrees Baume (0.7796 sp. gr.) although a 52-degree distillate (0.7711 sp. gr.) is also marketable. It will be evident that it will operate an automobile engine very well in a warm climate but that its value in a section of the country where the weather is cool or cold a large part of the time is not as great as that of the more volatile gasoline to which Eastern motorists are accustomed.—Scientific American.

#### ENGINEERS TO GREET DR. NEWELL.

Dr. F. H. Newell, President of the American Association of Engineers, will be entertained by the organization's local Chapter at a banquet in the Sacramento Hotel Monday night. Dr. Newell is Dean of the Department of Civil Engineering at the University of Illinois and a former director of the United States Reclamation Service.—Sacramento Bee, Aug. 21.

#### AMERICAN AUTOMOBILES IN FOREIGN COUNTRIES.

The explanation that a high duty on imported American automobiles is necessary to restrict importations as a protective step to maintain the present rate of exchange does not appear to be the true reason, but fear of American competition is the one that seems most reasonable to one who is familiar with the remarkable war record of our cars and trucks in European service. This was such as to create favorable comment on the part of the European public and many orders could now be booked for American cars from residents of both England and France. These had an opportunity to see how little the European prejudice against "cheap" American cars was founded on by first hand information gained by actual observation of our thousands of medium-priced cars and the service they rendered our army and the civilian auxiliary branches. It has recently been brought to the attention of automobile manufacturers in this country that a convention held in Paris decided branches. It has recently been brought to the attention of automobile manufacturers in this country that a convention held in Paris decided to recommend the imposition of a tariff duty of 45 per cent against American products while the duty would be only 10 per cent on imports from European countries. While at the present time, imports of automobiles are prohibited in both England and France, these are necessary war measures and American industry had reason to hope that they would be discontinued after the industries of the countries involved had been changed from a war to a peace-time basis. It is fortunate that this congress of European manufacturers can do no more than make recommendations, but when one considers the present attitude of European people it is feared that some sort of drastic legislation will result from this agitation to restrict American export of automobiles.—Scientific American

# ADVANCE NEWS

## Official Proposals, Etc.

### Building.

#### APARTMENT HOUSES.

Segregated Figures Being Taken.  
ALTERATION. Cost, \$50,000  
SAN FRANCISCO. No. 1250 Vallejo.  
Alter frame building into apartments  
Owner—Mrs. M. Knapp and Miss H.  
Mignel.

Architect—Foulkes & Hildebrand,  
Crocker Bldg., San Francisco.

Plans Being Figured.  
APARTMENTS. Cost, \$150,000  
ASTORIA, Ore.

Three-story and basement brick  
brick apartments, 60x200 (21 2-  
room, 44 3-room.)

Owner—Geo. McBride and Thos. Ran-  
dies, Yeon Bldg., Portland, Ore.  
Architect—F. Manson White, Cham-  
ber of Commerce Bldg., Portland,  
Ore.

Plans to Be Figured Next Week.  
APARTMENTS. Cost, —  
SAN FRANCISCO. Park-Presidio  
District.

Two 3-story and basement frame  
apartment house.

Owner—Benj. Schloss.  
Architect—August Headman, New  
Call Bldg., San Francisco.

Plans Being Prepared. Ready for Fig-  
ures in Two Weeks.

APARTMENTS. Cost, —  
PATTERSON, Stanislaus Co., Cal.  
Two-story brick store and apartment  
building, four stores and 4 4-room  
apartments.

Owner—J. H. Evans.  
Architect—Reed & Corlett, Oakland  
Bank of Savings Bldg., Oakland.

#### SEGREGATED FIGURES BEING TAKEN.

APARTMENTS. Cost, \$55,000  
SAN FRANCISCO. Stockton and  
Emma N. E.

Five-story and basement brick apart-  
ments (16 3 and 4 room apts.)  
Owner—H. H. Helbush, 55 Sutter  
St., San Francisco.

Architect—E. E. Young, 251 Kearny.

SAN FRANCISCO.—Architect J. F.  
Dunn, 401 Phelan Bldg., is taking fig-  
ures for painting and electric fix-  
tures for his 4-story frame apartment  
house building which is being erected  
on the north side of Pine street, 199-6  
west of Leavenworth.

Contract to Be Awarded Shortly.  
APARTMENTS. Cost, \$100,000  
SEATTLE, Wash. NW Fifth and  
Blanchard.

Three-story and basement brick  
apartments.  
Owner—G. W. Graff, Seattle, Wash.  
Architect—Jas. Schak, Lippy Bldg.,  
Seattle, Wash.

FRESNO, Fresno Co., Cal.—Bids  
will be received by the County Super-

visors up to September 10th, 3 p.m.,  
for the purchase of \$400,000 in bonds  
of the Fresno City School District.  
This is a portion of the \$2,000,000  
issue recently voted which will finance  
the erection of new schools and im-  
provements to the present buildings.

Sub-figures Being Taken.  
APARTMENTS. Cost, —  
LOS ANGELES, W 5th St. near Boyl-  
ston Ave.

Three-story frame apartment house,  
30 rooms; frame 20-room flat  
building and 4 16-room flat Bldgs.

Owner—W. C. Elderton.  
Architect—C. C. Rittenhouse, 310 Wil-  
cox Bldg., Los Angeles.  
Work will be done by Day Labor.

#### BONDS.

YUBA CITY, Sutter Co., Cal.—A  
special act of \$2,600 has been voted  
by the Knights School District so that  
work on the proposed school building  
might be started. At a recent elec-  
tion bonds of \$18,000 were voted to  
erect the building, but bids went over  
the amount available making it nec-  
essary to vote the tax.

FRESNO, Fresno Co., Cal.—Bids  
will be received by the County Super-  
visors, D. M. Barnwell, County Clerk,  
up to September 3rd, for the purchase  
of the \$3,500 bond issue of the Macks  
School District. Proceeds of the sale  
will finance school improvements.

MARTINEZ, Contra Costa Co., Cal.  
—As plans for the proposed Alhambra  
Union High School have not yet been  
completed the Trustees of the Dis-  
trict asked that the bids received for  
the bonds be rejected. The issue pro-  
vides \$125,000 to finance construction  
of the proposed building.

MARTINEZ, Contra Costa Co., Cal.  
—The County Supervisors have sold  
the \$94,000 bond issue of the Antioch  
School District which will finance con-  
struction of a new school building,  
plans for which are being prepared by  
Architect W. H. Weeks, 75 Post St.,  
San Francisco.

The \$60,000 bond issue of the  
Liberty Union High School District,  
at Brentwood, was also sold. Plans  
for the building to be erected from the  
sale of the bonds have been completed  
by Architect James T. Narbett of  
Richmond, Cal.

FOWLER, Fresno Co., Cal.—A spe-  
cial election will be held September 8  
to vote on the question of issuing  
bonds in the sum of \$150,000 for the  
erection of a new high school build-  
ing. Allison & Allison, 1405 Hiber-  
nian Bldg., Los Angeles are the archi-  
tects.

SACRAMENTO, Cal. — Following  
bids were received by Architects  
Woollett & Lamb, Physicians' Bldg.,  
Sacramento, for the construction of a  
one-story frame school building for

the Jefferson School District:  
G. B. Stahl, Colonial Heights,  
Sacramento \$5,889  
C. J. Guth, Sacramento 6,986  
Herndon & Finnegan, Sacra-  
mento 8,990  
Sinias & Bertoluce, Sacramento 7,830  
The contract was awarded to G. B.  
Stahl.

SACRAMENTO, Cal.—The State  
Board of Control has purchased the  
\$5,000 bond issue of the Reese School  
District in Sacramento. The proceeds  
of the sale will finance construction  
of school improvements.

LODI, San Joaquin Co., Cal.—The  
Houston School District will hold an  
election on September 3rd to decide  
whether or not the district shall be  
taxed to improve the school by in-  
stalling a water system, lavatories  
and lights. For this purpose it is  
necessary to raise \$2,500.

SACRAMENTO, Cal.—An election is  
planned by the Sacramento Board of  
Education to vote bonds of \$3,000,000  
with which to finance construction of  
eighteen new school buildings.

VISALIA, Tulare Co., Cal.—Until  
10 a. m., September 3, bids will be re-  
ceived by the Supervisors of Tulare  
County for constructing bridges as  
follows: Reinforced concrete bridge  
across South Fork of Kaweah River  
near Three Rivers, involving 66.8 cu.  
yds. Class A concrete, 82.9 cu. yds.  
Class B concrete, and 7.9 cu. yds.  
Class A concrete in pavement of  
bridge approaches. Reinforced con-  
crete bridge across highway in Twp.  
18, involving 111.8 cu. yds. Class A  
concrete, 31.9 cu. yds. Class B con-  
crete, and 15.6 cu. yds. Class A con-  
crete in pavement of approaches.  
Certified check for 5% required. Plans  
and specifications may be obtained  
from County Surveyor, George R.  
Prestidge, Clerk.

SEATTLE, Wash.—Bids will be re-  
ceived by the County Treasurer up  
to September 9th, for the purchase of  
school bonds of District No. 1 in the  
sum of \$1,125,000. The issue is of-  
fered buyers under six delivery propo-  
sitions as follows: \$525,000 on Oct.  
1; \$125,000, Oct. 1; \$225,000, Oct. 1;  
\$225,000, Dec. 1; \$675,000 divided into  
\$225,000 lots for delivery Oct. 1, Dec.  
1 and Feb., 1920; \$900,000 of \$225,000  
lots, delivery Oct. 1, Dec. 1, Feb., and  
April 1 and \$1,125,000 of \$225,000 lots,  
delivery as previous lot and June 1.  
Proceeds of the sale of the bonds  
will finance school construction.

#### COURTHOUSES.

COLUSA, Colusa Co., Cal.—The Co-  
lusa County Supervisors have voted  
a fund for the installation of an oil  
heating plant in the Courthouse, Hall  
of Records and County Jail.

T. D. Cain is Clerk of the Board of  
Supervisors.

# 6 FACTORIES AND WAREHOUSES.

**COLUSA, Colusa Co., Cal.**—D. Russell, Colusa, has been awarded the contract for the electric work on the nearly completed rice mill at Colusa for Rosenberg Bros., of San Francisco. The contract price is in the neighborhood of \$5,000.

Being Done by Day Labor.  
**WAREHOUSE.** Cost, \$350,000  
**CROCKETT, Contra Costa Co., Cal.**  
 Steel and concrete warehouse.  
 Owner—California - Hawaiian Sugar Refining Co., Crockett.  
 Architect—Owner.

Contract Awarded.  
**FACTORY.** Cost, \$70,000  
**SEATTLE, Wash.** Virginia St. near Terry.  
 Three-story and basement concrete, brick and mill construction candy factory, 60x120.  
 Owner—H. H. Gulstine, Yakima, Wash. Langert-Aronson Candy Co., Inc., lessees.  
 Engineer—Henry Bittman.  
 Contractor—Great Northern Construction Co., Seattle, Wash.

Contract Awarded.  
**ALTERATION.** Cost, \$14,800  
**SAN FRANCISCO, SW Jackson and Sansome.**  
 Alterations to building.  
 Owner—T. Z. Blakeman.  
 Architect—Bliss & Faville, Balboa Bldg., San Francisco.  
 Contractor—J. Harold Johnson, 771 28th Ave., San Francisco.  
 The following bids were received:  
 W. C. Duncan & Co. \$17,250  
 Barrett & Hill 15,979  
 G. H. & S. Walker 15,300  
 Chas. Stockholm & Son 15,000  
 J. H. Johnson 14,800

Ready to Take Segregated Figures Friday  
**SHOP BLDG.** Cost, \$14,000  
**SAN FRANCISCO, N Post W Leavenworth.**  
 One-story brick auto repair shop building, 35x137-6.  
 Owner—Goldberg-Bowen Co.  
 Architect—S. Heiman, 57 Post Street, San Francisco.

Contract Awarded.  
**ROLLING MILL** Cost, —  
**PITTSBURG, Contra Costa Co., Cal.**  
 Four or five steel frame and corrugated iron rolling mill buildings.  
 Owner—Columbia Steel Co., Pittsburg, Cal.  
 Architect—Owners.  
 Contractor—Dyer Bros, 17th & Kansas, San Francisco.

The foundations and corrugated iron work will be done by the owners.

Plans Being Prepared.  
**ADDITION.** Cost, \$100,000  
**ST. JOHN'S, Ore.**  
 Addition of dry kilns, excavating, frame, tile and concrete construction.  
 Owner—Western Cooperage Co., St. Johns, Ore.  
 Architect—De Young & Roald, Spaulding Bldg., Portland, Ore.

Contract Awarded.  
**WAREHOUSE.** Cost, \$105,000  
**SEATTLE, Wash. N E Western Ave. and University street.**  
 Four-story mill construction warehouse, 120x120.  
 Owner—Stephen A. Hull.  
 Architect—John Graham, Smith Bldg., Seattle, Wash.  
 Contractor—A. W. Quist Construction Co, Hoge Bldg., Seattle, Wash.

## FIRE HOUSES AND JAILS.

**PETALUMA, Sonoma Co., Cal.**—The Building & Grounds Committee of the City Council has been instructed to secure plans, estimates, etc., for the extension of the corporation yards building.

The plans will be ready for approval at the next meeting of the Council.

Plans Being Prepared.  
**COMFORT STATION.** Cost, \$12,000  
**OAKLAND, Cal.** City Hall Plaza.  
 Comfort station.  
 Owner—City of Oakland.  
 Architect—Public Works Dept., City Hall, Oakland.  
 An appropriation has not been made.

Plans Being Prepared.  
**OFFICES, ETC.** Cost, —  
**EUREKA, Humboldt Co., Cal.** Fourth near E street.  
 One-story reinforced concrete waiting station, offices and freight room, 60x120.  
 Owner—Union State Lines, Eureka, Calif.  
 Architect—Newton Ackerman, Eureka, Calif.

**SEATTLE, Wash.**—The City Council has approved the following appropriations to be included in the coming budget:

At Firland—\$15,000 for the addition of 15 rooms to the administration building as quarters for nurses; \$10,000 for an addition to the kitchen; \$6,000 for an addition to the bakery and storeroom; \$4,500 for an electric push button elevator; and \$1,000 for an annunciator system in the isolation hospital.

The erection of fire stations are asked as follows:

Fifteenth avenue and Harrison street costing \$25,000; a new station at 1st avenue So. and Hanford street, \$25,000, and repairs as follows:

Fire station at 46th avenue S. W. and Ferry avenue, \$25,000; repairs on the Beacon Hill station, \$25,000; repairs on station at 33rd avenue So. and Yesler Way, \$15,000; addition to the station at 23rd avenue S. W. and W. Spokane, \$10,000; and \$7,000 for building a fire alarm station at N. 39th street and Linden avenue to replace the present wooden structure..

**SACRAMENTO, Cal.**—Bids received by the City Commissioners, M. J. Desmond, City Clerk, for the construction of the proposed rest room and tool house for the City Cemetery, will probably be rejected as being too high. The bids were:  
 C. J. Guth \$750  
 John R. Siller 757

The estimate placed on construction was \$400. The City Carpenter has been asked to submit a bid for the work.

## FIRE REPORT.

**FRESNO, Fresno Co., Cal.**—The City Council will shortly issue a call for bids for the construction of a building in the Corporation Yards for the use of the Street Department. A drill tower for the use of the fire department will also be erected at the same time and will probably be incorporated in the street building project.

## GARAGES.

Contract Awarded.  
**GARAGE.** Cost, \$20,000  
**LOS ANGELES, Cal.** Hollywood Blvd. near Cahuneaga Ave.  
 One-story brick commercial garage, 90x140.  
 Owner—J. E. Hansford.  
 Architect and Contractor—Frank L. Meline Co., 6777 Hollywood Blvd., Los Angeles.

Plans Being Figured.  
**GARAGE.** Cost, —  
**LOS ANGELES, Cal.** South Flower, between Pico and 14th Sts.  
 Two-story brick commercial garage, 48x150.  
 Owner—Richard Ryse.  
 Architect—B. B. Bixby, Realty Board Bldg., Los Angeles.

Plans Being Prepared.  
**AUTO SALES ROOM.** Cost, \$40,000  
**PORTLAND, Ore.** Fifteenth and Washington Streets.  
 One-story reinforced concrete auto sales room, 100x100.  
 Owner—W. H. Waldford.  
 Architect—Emil Schacht, Commonwealth Bldg., Portland.

Segregated Figures Being Taken.  
**AUTO SHOP.** Cost, \$15,000  
**SAN FRANCISCO, S Fell 165 E Franklin.**  
 One-story Class "C" auto shop building, 27x120.  
 Owner—Arthur F. Rousseau, 110 Sutter St., San Francisco.  
 Architect—Rousseau & Rousseau, 110 Sutter, San Francisco.

Plans Being Prepared.  
**WORKS AND OFFICES.** Cost, \$20,000  
**PORTLAND, Ore.** Near Fifteenth and Washington streets.  
 One-story concrete spring works and offices, 100x150.  
 Owner—Laher Auto Spring Co.  
 Architect—Emil Schacht, Commonwealth Bldg., Portland.

## GOVERNMENT WORK & SUPPLIES.

**TREASURY DEPARTMENT;** Supervising Architect's Office, Washington, D. C.: Aug. 12, 1919.—Sealed proposals will be opened in this office at 3 p. m., Sept. 15, 1919, for the construction of the United States post office at Winnemucca, Nev. Drawings and specifications may be obtained from the custodian of the site at Winnemucca, Nev.; or at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

**WASHINGTON, D. C.**—The Construction Division, U. S. Army, has awarded a contract to the Clinton-Wright Wire Co., of Boston, Mass.,



for furnishing and delivering wire mesh to the Schofield Barracks on its bid of \$32,200.

**WASHINGTON, D. C.**—The following firms have secured plans for the proposed water supply and sewer system and fuel oil reservoir planned by the Bureau of Yards and Docks at San Diego. The work is provided for under Specification 4007 and is estimated to cost \$200,000.

Hyde & Baxter, 711 13th street N. W., Washington, D. C.

White City Electric Co., Washington, D. C.

H. D. Hallett, 132 Downer Place, Aurora, Ill.

Whitlock Coil Pipe Co., Hartford, Conn.

Standard Water Systems Co., Hampton, N. J.

**SAN DIEGO, Cal.**—The navy department has asked the city council of San Diego for title to fifteen acres of land at Balboa Park as a site for a naval hospital. The proposed building will have a maximum capacity of 500 beds and will cost about \$1,000,000. Preliminary plans have been prepared by Archt. Bertram Gooch of Boston. The navy department has also asked for title to certain tidelands upon which it proposes to establish a naval training station for 10,000 men, a navy yard and naval supply base. The buildings to be erected for these projects will cost several million dollars.

Ready for Figures in About Two Weeks.

**STOREHOUSE** Cost, \$100,000  
BENICIA, Solano Co., Cal. Benicia Arsenal.

One-story concrete and frame artillery storehouse.

Owner—United States Government.  
Architect—Engineering Department Benicia Arsenal.

Plans Being Figured. Bids Close August 30, 1919, 11 a. m.

**QUARTERMASTER COMMISSARY BLDG.** Cost, \$20,000

BENICIA ARSENAL.

Two-story reinforced concrete Quartermaster Commissary Building.

Owner—United States Government, Colonel O'Hern, Commander.

Architects—Miller & Warnecke, Perry Bldg., Oakland.

Plans may be obtained from Colonel O'Hern, Benicia.

**WASHINGTON, D. C.**—The Construction Division of the U. S. Army, has awarded a contract to the California Portland Cement Co., of Los Angeles, for furnishing and delivering cement to the Schofield Barracks on its bid of \$137,800.

E

**PANAMA CIRCULAR 1297**—Panama Canal Office of the General Purchasing Officer, Washington, D. C.—Sealed bids are wanted until September 8, 1919, for furnishing brass, bronze, copper, brass pipe, copper pipe, lead pipe, tin, spelter, zinc, tacks, nails, spikes, bolts, hardware, handles, pipe covering, asbestos gloves, asbestos gaskets, boiler lagging, packing, calking cotton, lanyard, chalk line, manila rope, twine, hose, garbage cans, coin safes, leather belting, leather lacing, emery cloth, sandpa-

per, brushes, grindstones, spades, synthstones, wooden rules, vises, wrenches, fire brick, fire extinguishers, cars, marine clocks, ladders, candles, crayons, flags, hair, gold leaf, metal polish, soap, soap polish, pitch, tallow, muriatic acid, lye, lard oil, bicarbonate of soda, turpentine, paints and ingredients, mercuric oxide and cypress lumber. For further information address the above office.

Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows:

(Closing date given at end of each paragraph.)

Schedule 4357, for Mare Island, brick trowels, tinners' shears, oil slips, 30 charcoal furnaces, 2,000 paint cans, 1,000 squirt cans and 300 pressed steel wheelbarrows, date not yet assigned.

Schedule 4358, for Mare Island and Puget Sound, steel balls, single jack chain, 360 air hose clamps, 4,800 wire rope clips, 60 deck paying cups, stamping figures and letters, 172 dozen fish and shark iron and steel hooks, 200 pounds glaziers' points, hardware, bolts, catches, etc., date not yet assigned.

Schedule 4359, for Puget Sound, 200 machine punches, opening of September 2.

Schedule 4360, for Mare Island and Puget Sound, blacksmiths' flatters and chisels, machinists' chisels and 60 blacksmiths' tongs, date not yet assigned.

Schedule 4361, for Mare Island and Puget Sound, miscellaneous screweyes, grommets, machine screw nuts, escutcheon, cotter, taper steel pins, clinch and grommet rings, cap and lag set screws, date not yet assigned.

Schedule 4365, for Mare Island and Puget Sound, 118 drilling posts, machinists' dividers, try and combination squares, date not yet assigned.

Schedule 4366, for Mare Island and Puget Sound, various kinds of wrenches, date not yet assigned.

Schedule 4367, for Mare Island and Puget Sound, measuring tapes, wood and ship scrapers, rivets and headers, nail pullers, gasoline pots, 720 diagonal cutting pliers, end cutting nippers, various kinds of gauges, 480 hand drills, 240 washer cutters and 206 torches, date not yet assigned.

Schedule 4371, for Puget Sound, 4,350 feet steel wire rope, opening of August 29.

Schedule 4377, for eastern and western yards, 16 oil lubricating pumps, opening of September 9.

For further information address the Bureau of Supplies and Accounts, Navy Department, Washington, D. C.

**WASHINGTON, D. C.**—Bids will be called for in the next few weeks by the Bureau of Yards and Docks, Navy Department, for the following work at Puget Sound:

Specification 3837, reciprocating air compressor, Puget Sound. Estimated cost, \$62,000. Deposit, \$10.

Specification 4009, extension to building 178, navy yard, Puget Sound. Deposit, \$10.

The deposit referred to is the amount necessary to secure plans and specifications.

## INVITATION FOR PROPOSALS.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., August 18, 1919.—**SEALED PROPOSALS** will be opened in this office at 3 p. m., November 3, 1919, for the construction of the United States post office, court and custom house at Honolulu, Hawaii. Drawings and specifications may be obtained from the architects, York & Sawyer, 50 East Forty-first Street, New York, N. Y., from the Custodian of the site at Honolulu, from Supervising Superintendent J. W. Roberts, 403 Post Office Building, San Francisco, California, or at this office at the discretion of the Supervising Architect Jas. A. Wetmore, Acting Supervising Architect.

Proposals for iron pipe, pipe fittings, lavatory fittings, range boilers, sheeting, cotton rope, glass, and blue print paper.—Sealed proposals will be received at the office of the General Purchasing Officer, The Panama Canal, Washington, D. C., until 10:30 o'clock a. m., September 9, 1919, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and information relating to this circular (1299) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Calif.; also from the United States Engineer offices in the principal cities throughout the United States.—A. L. FLINT, General Purchasing Officer.

## HALL AND SOCIETY BUILDINGS.

Completing Plans. Ready for Figures in 10 Days.

**HALL.** Cost, \$35,000

SEBASTOPOL, Sonoma Co., Cal.

Memorial hall and gymnasium.

Owner—City of Sebastopol.

Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Figured.

**LABOR TEMPLE.** Cost, \$200,000

PORTLAND, Ore.

Five-story and basement reinforced concrete and mill construction labor temple, 100x150.

Owner—Labor Temple Building Association, Portland, Ore.

Architect—Houghton & Dougan, Portland, Ore., and W. W. Lucius, associate, Portland, Ore.

Preliminary Plans Prepared.

**LODGE BLDG.** Cost, —

LOS ANGELES, Cal. Location not selected.

Twelve-story Class "A" lodge building, 150x150.

Owner—Elks' Club.

Architect—Edwin Bergstrom, Citizens National Bank Bldg., Los Angeles.

Leo Youngworth is chairman of the building committee.

## HOSPITALS.

Segregated Figures Being Taken.

**ADDITION.** Cost, \$250,000

SAN FRANCISCO. N Bush E of Hyde. Two six-story Class "A" additions to hospital, 35x180x35x80.

Owner—St. Francis Hospital, Prem.

Architect—Alfred I. Coffey, Humboldt Bank Bldg., San Francisco.

## HOTELS.

To Be Done by Day's Work.  
ALTERATIONS. Cost, \$13,000  
SAN MATEO Cal. 2nd Ave., San Mateo.

Alterations to hotel.  
Owner—Wisnom Company.  
Architect—W. H. Toepke, 942 Market San Francisco.

The improvements will include the installation of fourteen private bathrooms, a complete steam heating plant, remodeling the lobby, alterations in the kitchen and dining room and the changing of the former bar into a modern store. The entire interior of the building will be repapered and re-tinted.

LOS ANGELES, Cal.—The California Hardware Co., 500 E-1st street, Los Angeles, has been awarded a contract at \$21,500 for furnishing the finish hardware for the new California Hotel being erected on Wilshire Boulevard for the Wilshire Boulevard Hotel Co. The Forve-Pettebone Co., 512 So. Broadway, Los Angeles, was awarded the contract at \$25,000 for furnishing electric lighting fixtures. Myron Hunt, 1017 Hibernian Bldg., is the architect.

## LIBRARIES.

Plans Being Figured. Bids Close September 10, 10 a. m.

LIBRARY. Cost, \$5,000  
DELANO, Kern Co.  
One-story hollow tile library.  
Owner—Kern County.  
Architect—Thomas B. Wiseman, Bakerfield.

The bid of Yancey & Rogers at \$7,348, which was received recently, was rejected. Only \$5,000 is available.

## POWER PLANTS.

LOS ANGELES, Cal.—Until 3 p. m., September 5, bids will be received by the Board of Public Service, Knickerbocker Bldg., for 33,000 coil insulators and hardware in accordance with Specification No. P-206, on file in the office of the Board. Jas. P. Vroman, Secretary.

## RESIDENCES.

## ER PLANS HOME BUILDING.

SACRAMENTO, Cal.—City Commissioner D. W. Carmichael, of the Carmichael Co., 1005 8th street, has announced that he will build homes in the Casa Loma, Sutter Terrace, Era Tract and in Prince Villa on the Riverside road, until the demand for homes has been satisfied.

Construction on a number of buildings will be started in the Casa Loma tract within the next few weeks.

SACRAMENTO, Cal.—The J. C. Carly Co., of which J. C. Carly is President, 823 "J" St., Sacramento, announces that work will be started by his company within the next few weeks on the erection of 360 modern homes, costing in the neighborhood of \$1,500,000. The buildings will be erected in the proposed West Curtis Oaks District, which has been offered to the city of Sacramento as a gift.

The buildings will cost between \$3,500 and \$4,000 each and will be sold on the "easy payment" plan.

Other improvements will consist of street improvements, sidewalks, electroliner system and a gardening scheme.

SACRAMENTO, Cal.—Bids will be received until September 22, 1919, for the following work on the San Francisco Civic Center State Building. Plans were prepared by Architects Bliss & Paville, Balboa Bldg., San Francisco.

Excavation Work to be opened at 11:30 a. m. Deposit of \$10 for plans. Granite Work and the setting of same to be opened at 12 o'clock, noon. Deposit of \$15 for plans.

Concrete Work, Brick Work and Ornamental Terra Cotta and the Rough Carpenter Work required for above branches to be opened at 2:30 p. m. Deposit of \$25 for plans.

Fabrication, Delivery and Erection of Structural Steel and Iron Work to be opened at 1:30 p. m. (This date has been extended from Sept. 5, 1919.)

Plans for all the above may be obtained from the State Department of Engineering, Sacramento. For further particulars see Official Proposals in the "Daily Pacific Builder."

Contract Awarded.  
RESIDENCE. Cost, \$50,000  
LOS ANGELES. Andrews Blvd. north of Hollywood Blvd.

Two-story hollow tile residence, 18 rooms.

Owner—Joseph D. Dadey.  
Architect and Contractor—Frank L. Meline Co., 6777 Hollywood Blvd., Los Angeles.

To Be Done by Day's Work.  
RESIDENCE. Cost, \$11,000  
HAMILTON, Glenn Co., Cal.

Two-story frame and stucco residence  
Owner—Jas. Miller, Sr.  
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans To Be Prepared.  
RESIDENCE. Cost, —  
SAN MATEO, Cal.

Residence (type of construction, etc., not decided.)  
Owner—Wm. H. Toepke.  
Architect—Wm. H. Toepke, 942 Market, San Francisco.

To Be Done by Day's Work.  
BUNGALOWS. Cost, —  
PITTSBURG, Contra Costa Co., Cal.  
Tenth street (Southwest Addition).  
Owner—C. A. Hooper Co., Pittsburg, Calif.

Contract Awarded.  
BUNGALOWS. Cost, \$90,000  
LONG BEACH, Los Angeles Co., Cal.  
Beachwood Drive.  
Frame bungalow court, 10 buildings.  
Owner—Henry Hotchner, Long Beach, Calif.

Architect—Not given.  
Contractor—The De Luxe Building Co., 521 Union League Bldg., Los Angeles.

Contract Awarded.  
RESIDENCE. Cost, \$26,000  
WEST HOLLYWOOD, Los Angeles Co., Cal.  
Corner Selma and Laurel avenues, Crescent Heights.  
Two-story frame and plaster residence, 15 rooms and two-story garage with living apartment.

Owner—Mrs. A. J. Verheyen and Mrs. George S. Landers.

Architect—Frank L. Meline, 6777 Hollywood Blvd., Los Angeles.

Contractor—The De Luxe Bldg. Co., 521 Union League Bldg., Los Angeles.

The plumbing work has been let to the Hinckley Plumbing Co., the hardwood flooring to the National Hardwood Flooring Co., and the plastering will be done by E. Westberg.

Contract Awarded.  
RESIDENCE. Cost, \$75,000  
BEVERLY, Los Angeles Co., Cal.  
Two-story and basement hollow tile residence, 20 rooms and 7 bathrooms.

Owner—Raymond C. Thorne.  
Architect and Contractor—Frank L. Meline Co., 6777 Hollywood Blvd., Los Angeles.

Plans Being Figured.  
BUNGALOWS. Cost (each) \$6,000  
SAN FRANCISCO. Geary St. between 44th and 45th Aves..

Nine one-story frame bungalows, 5 rooms each.

Owner—Not given.  
Architect—E. E. Young, 251 Kearny, San Francisco.

Plans Being Figured. Bids close Sept. 1st, 12 M.  
COTTAGE. Cost, —  
ABERDEEN, Inyo Co., Cal.

One-story frame (4-room) cottage, 24x24.  
Owner—Aberdeen School District, L. L. McAfee, Clerk, Independence, Calif.

Architect—Not given.

Plans Being Prepared.  
RESIDENCE, ETC. Cost, \$10,000  
SAN MATEO, San Mateo Co., Cal.  
Two-story frame and plaster residence (8 rooms) and separate garage.

Owner—Mr. Lee.  
Architect—T. M. Edwards, 833 Market, San Francisco.

Plans Ready for Figures Next Week.  
FRAME RESIDENCE. Cost, \$10,000  
SAN MATEO, San Mateo Co., Cal.  
One and one-half story frame residence.

Owner—Mr. Thompson.  
Architect—T. M. Edwards, 833 Market St., San Francisco.

Plans Being Prepared.  
BUNGALOWS. Cost, \$5,000 each  
SAN FRANCISCO. Westwood Park  
Five one-story frame bungalows, 5 and 6 rooms each.

Owner—H. C. Baumann, 251 Kearny St., San Francisco.  
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Note: Mr. Baumann has six other bungalows under construction in Westwood Park. Work is being done by Day's Labor.

Sub-figures Being Taken.  
RESIDENCE. Cost, —  
LOS ANGELES. Irving Blvd. near 5th St.

Two-story and basement frame and plaster residence, 14 rooms and 4 bathrooms.

Owner—J. Roussio.  
Architect—H. J. Knauer, 1129 Story Bldg., Los Angeles.

Plans Being Prepared.  
RESIDENCE, ETC. Cost, \$50,000  
WICHITA FALLS, Texas.  
Two-story and basement brick residence (13 rooms and 3 bath-rooms), and a garage, laundry and servants' quarters building.  
Owner—T. R. Boone.  
Architect—E. B. Rust, 529 Black Bldg., Los Angeles.

### SCHOOLS.

GEYSERVILLE, Sonoma Co., Cal.—The following bids were received August 21st by the Clerk of the Geyserville School District for the construction of a one-story reinforced concrete school building:

Monson Bros., 180 Jessie street, San Francisco, submitted the lowest bid at \$33,280, and will be awarded the contract after a few changes and omissions have been made to slightly reduce the contract price.

Plans were prepared by Architect Henry C. Smith, Humboldt Bank Bldg., San Francisco.  
Monson Bros., S. F. \$33,280  
Fred Warden, S. F. 34,790  
W. L. Proctor, Santa Rosa. 35,000

NORTH SACRAMENTO, Cal.—Architect Alex Willoner, 403 21st street, Sacramento, has completed three sets of plans for additions to the two North Sacramento schools, and a mass meeting will be called to select one of the three. The work will cost about \$20,000 and will consist of the addition of class rooms and auditorium to the present buildings.

Bids received under the first call were above the amount available for construction and were rejected.

FAIRFIELD, Solano Co., Cal.—Bids will be received by the Trustees of the Fairfield Grammar School District, up to August 30th, 2 p. m., for furnishing and installing an oil burning equipment to operate heating plant in the present school, to consist of installation of one 1500-gallon oil storage tank, all piping connections between same and oil burner in furnace room; the necessary changes in the present heating furnace for the Courthouse, Fairfield, Calif.

FRESNO, Fresno Co., Cal.—The Fresno School District will receive bids up to September 2nd, 12 M., for cementing the exterior of the north wing of the present Lincoln School.  
Plans may be seen at the office of Trewthit-Shields, 435 Rowell Bldg., Fresno.

J. R. Fontaine is Secretary of the Board of Education.

OAKLAND, Cal.—The Oakland Board of Education has decided on the addition of another class room to the Rockridge School for first and second grade pupils.

GLOBE, Ariz.—Until 2 p. m., September 15, bids will be received by the Trustees of School District No. 1, Gila County, at Globe, for erecting a grade school building on Hill street and an addition to the present high school building in accordance with plans and specifications by Architects Trust & Trust, of El Paso, Tex. Deposit of \$25 required for plans, Geo.

R. Hill, Clerk. Bonds to amount of \$100,000 were voted for the Hill Street school and \$80,000 for high school addition.

CHICO, Butte Co., Cal.—Preliminary sketches for the proposed new high school building will be presented by Architects Woollett & Lamb, Physicians' Bldg., Sacramento, at the next meeting of the Board of Education.

The architects will recommend a \$300,000 school in place of a \$200,000 structure as was planned — this amount including the purchase of a \$50,000 site.

FRESNO, Fresno Co., Cal.—Bids are being received by the Board of Education up to August 29th for the installation of heating and ventilating systems in the Hawthorne, Lowell, Emerson, Lincoln and present high school.

Contract Awarded.  
SCHOOL. Cost, \$23,865  
COVINA, Los Angeles Co., Cal.  
Hollow tile school, 4 rooms and an auditorium.

Owner—Covina School District.  
Architect—John C. Austin, 1125 Baker-Dewittier Bldg., Los Angeles.  
Contractor—J. F. Atkinson, 1118 Story Bldg., Los Angeles.

The plumbing contract was awarded to John Hokom, 4312 Moneta avenue, on his bid of \$2,687. Mr. Atkinson's contract was awarded on his original bid of \$26,600 less deductions totaling \$2,735. The bids received for painting were ordered rejected.

Commissioned to Prepare Plans.  
HIGH SCHOOL. Cost, \$100,000  
SELMA, Fresno Co., Cal.  
Brick and hollow tile high school buildings.

Owner—Selma High School District.  
Architect—Norman F. Marsh, Broadway Central Bldg., Los Angeles.

For the present only the auditorium, gymnasium and domestic science portions of the high school will be erected, for which preliminary sketches and estimates will be made.

A bond election will be called shortly.

Contract Awarded.  
SCHOOL. Cost, \$140,000  
SEATTLE, Wash. Anne avenue between Roy and Mercer streets.

Three-story and basement (165x250) brick, mill and terra cotta industrial school. (Dormitory on third floor.)

Owner—Seattle Engineering School, T. A. Falkner, President, Seattle, Wash.  
Architect—Sherwood D. Ford, Seattle, Wash.

Contractor—Johnson Building Co., 301 Epler Block Seattle, Wash.

Plans Being Prepared.  
SCHOOL. Cost, \$25,000  
SOMMERTON, Yuma Co., Ariz.  
Concrete grammar school, 4 rooms.  
Owner—Sommerton School District.  
Architect—Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles.

Plans Being Prepared.  
BANK. Cost, —  
RICHMOND, Contra Costa Co., Cal.

SW 9th and Macdonald Ave.  
Two-story brick bank building.  
Owner—Mechanics Bank.  
Architect—James T. Narbett, Macdonald Ave., Richmond.

DURHAM, Butte Co., Cal.—The contract for the Durham school building has been awarded to W. R. Campbell, Sacramento, on his bid of \$35,200. Other bidders were: E. D. Sharp, Chico, \$38,858; W. C. Keating, Sacramento, \$37,150; Del Favero & Rasori, San Francisco, \$36,963.

The building will be one story in height and will be of hollow tile construction with a brick veneer exterior.

Plans were prepared by Architect W. H. Weeks, 75 Post street, San Francisco.

### STORES AND OFFICES.

Plans Being Prepared.  
BANK AND STORES. Cost, \$75,000  
SANTA ROSA, Sonoma Co., Cal. 4th street and Exchange avenue.  
One-story and basement reinforced concrete and terra cotta Bldgs., bank and 3 stores.

Owner—Santa Rosa Savings Bank, Santa Rosa, Cal.  
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland

Contract Awarded.  
ALTERATIONS. Cost, \$21,000  
SAN MATEO, No. 277 "B" St. (John Coleman Bldg.)

Alterations and extension of banking rooms in two-story brick building (marble front, fixtures, etc., also other alterations to Coleman Bldg.)

Owner—Bank of Italy (San Mateo Branch).  
Architect—W. H. Toepeke, 942 Market St., San Francisco.

Contractor—Howard S. Williams.

Contract Awarded.  
BANK. Cost, —  
BEVERLY, Los Angeles Co., Cal.  
One-story reinforced concrete bank building, 50x100.

Owner—First National Bank of Beverly.

Architect and Contractor—Frank L. Meline Co., 6777 Hollywood Blvd., Los Angeles.

Contract Awarded.  
LOFT BLDG. Cost, \$40,000  
LOS ANGELES, Cal. Hollywood Blvd. near Cahuneja Ave.

Two-story Class "C" brick and concrete store and loft building, 80x140.

Owner—J. E. Ransford.  
Architect and Contractor—Frank L. Meline Co., 6777 Hollywood Blvd., Los Angeles.

Plans Being Prepared.  
STORES. Cost, \$30,000  
RICHMOND, Contra Costa Co., Cal. Macdonald Ave. between 6th and 7th streets.

Two-story brick stores, 50x90.

Owner—Joe Lestelle, L. Garfinkle, Lessee, Richmond, Cal.  
Architect—James T. Narbett, Richmond, Cal.

Contract Awarded.  
CONCRETE BLDG. Cost, \$60,000  
SAN FRANCISCO. N California and Front Streets.

Bids received for the work on the first call were considered too high and were rejected.

**SAN FRANCISCO.**—The Supervisors have adopted an ordinance authorizing the Board of Public Works to call bids for the construction of a sewer in Euclid avenue between Parker and Palm avenues.

Plans for the work have already been completed by the City Engineer.

—Seventy-four miles of paved roads are planned by the San Joaquin County Supervisors after receiving the recommendations of the Citizens' Committee, whose recommendations they have decided to follow. The work divided into fifteen sections as follows:

	Miles.
Clements-Ione .....	8
Terminous .....	7½
Victor-Sharp .....	3½
Olive Orchard .....	1
Telegraph .....	3
Perley Tract .....	2
Manteca-Ripon .....	8
Escalon to line .....	4
West side, River and Vernalis.....	8
French Camp road .....	5
Waterloo Comstock .....	8
Borden road .....	4½
Brookside Delta .....	4½
Hammer lane .....	3½
Beecher lane .....	4

Funds for the work will be raised by direct tax and not by bond issue. Eugene D. Graham is County Clerk.

**CHICO, Butte Co., Cal.**—Property owners in Main street east on Fourth to the main entrance of Bidwell Park are planning the installation of an electrolizer system. The paving of that thoroughfare has been assured by the City Trustees. Among those who are working for the system are Dr. N. T. Enloe, S. K. Troxel, Major Lon Bond, Charles Tripp, J. H. Minderman.

**STOCKTON, San Joaquin Co., Cal.**—The Clark & Henery Construction Co., 38 S. Sutter St., Stockton, has been awarded a contract by the City Council for the improvement of South El Dorado and Aurora streets.

**SACRAMENTO, Cal.**—Plans have been completed by the City Engineer for the improvement of the Alley between L and M, Twentieth and Twenty-first streets and bids for the work will be called for shortly. M. J. Desmond is City Clerk.

**MARTINEZ, Contra Costa Co., Cal.** A contract has been awarded to Paul & Sayles, 636 W. Vine street, Stockton, for the construction of a concrete street through the Shell property from the D. L. M. tract to the north gate of the company's plant. The work will cost about \$10,000.

**SACRAMENTO, Cal.**—The following bids were received by the California State Highway Commission for highway improvement:

Kern County, between Southerly Boundary and 2.3 miles south of Rose Station (VI-Ker-4-A), about 10.7 miles in length to be paved with Portland cement concrete.

No bids received:

Los Angeles County, between Santa Clara River and Williams Ranch (VII-L-A-23-B), about 19-10 miles in length to be paved with Portland cement concrete.

Trenberest Contr. Co., L. A. \$37,999.80  
Geo R. Curtis, L. A. .... 48,014.50  
Richard Rockwell, L. A. .... 64,792.00  
Chas D. Soterias, L. A. .... 43,208.20  
M. F. Cummings, L. A. .... 54,985.20  
Engineer's estimate, \$50,495.81.

**MARTINEZ, Cal.**—The Contra Costa County Supervisors have indefinitely postponed the construction of a road on Section No. 1, Division No. 21, beginning at the north end of Main St., to the town of Bay Point. Bids were to have been opened on August 18th.

**REDDING, Shasta Co., Cal.**—The contract for the paving of Market St. has been awarded by the City Trustees to the Chico Contracting Co., of Chico, at approximately \$40,000.

The award was held up by the courts through a writ of prohibition. A recent decision allowed them to award the contract.

**EAGLE ROCK CITY, Los Angeles Co., Cal.**—Bonds to the amount of \$57,000 for resurfacing with rock screenings and oil about 70 streets and \$35,000 for paving Central avenue were voted at a special election. Claude S. Bramble is the City Engineer. The streets to be resurfaced aggregate about 14 miles in length and average about 40 feet in width. The city will buy the oil and crushed rock and screenings and the surfacing will be done by the City Street Department. The paving of Central avenue will be done by contract. A 5-inch concrete pavement 30 to 40 feet in width will be laid on both sides of the street railway tracks for a distance of approximately 2,000 feet.

**BAKERSFIELD, Kern Co., Cal.**—Until 5 p. m., September 8, bids will be received by City Clerk V. Van Riper for improving Twenty-first street between H and L streets, 23rd and 24th streets between H street and Chester avenue, and H street between 20th and 24th streets, by grading and paving with 3-inch asphaltic concrete base and 1½-inch bitulithic surface and constructing concrete curbs and gutters and concrete and corrugated iron culverts. Work will be done under Improvement Act of 1915.

**PORTLAND, Ore.**—Two bids were received by the Oregon State Highway Commission, Yeon Bldg., Portland, for improving six miles of the Grove-McMinnville Highway. The bids were: Warren Construction Co., \$97,747; Washington County Court, \$43,530 on condition that the Commission furnish trucks to transport material.

The bids were laid over for further consideration.

**LOS ANGELES, Cal.**—Until 10 a. m. September 2, bids will be received by the Board of Public Works for constructing cement pipe sanitary sewers as follows:

Broadway between Pico and Tenth streets in the Broadway and Pico Street District. Ord. 39256.

Denver avenue between Slauson avenue and south terminus of Slauson. Ord. 39255.

**ASTORIA, Ore.**—Plans have been approved by the City Council for the construction of a permanent sewer and drainage system for District No. 1, the work to cost about \$51,000.

**GRASS VALLEY, NEVADA Co., Cal.**—Among the budget items being considered by the Board of Trustees is the new water system connecting the city reservoirs with Washington and Auburn streets and the paving of streets along the route of the new highway.

**MARTINEZ, Contra Costa Co., Cal.**—Property owners in Escobar street are planning the improvement of that thoroughfare under private contract.

**FRESNO, Fresno Co., Cal.**—The City Council has awarded contracts for street improvements as follows:

Ventura Avenue and the approaches to Park Boulevard Bridge to the California Road and Improvement Co., Bank of Italy Bldg., Fresno.

To Thompson Bros., 1514 "H" Street, Fresno, for the improvement of E Street and Thomas Avenue.

To Kaufeld & Tompkins, for the improvement of Cambridge Avenue.

**LOS GATOS, Santa Clara Co., Cal.**—The Town Trustees have instructed the Street Committee to secure estimates of cost for the construction of a storm sewer to carry surplus waters from College Avenue to the creek.

**BENICIA, Solano Co., Cal.**—The City Board of Trustees has passed a resolution of intention providing for the following work, and will call for bids within the next few weeks:

Construction of a sewer system in the East Side Sewer District No. 1, with 6-inch vitrified salt-glazed sewer pipe, 5 manholes, 9 inspection holes, 1 flush tank, 70 Y branches and other appurtenances.

J. C. McAravy is City Clerk.

**BERKELEY, Alameda Co., Cal.**—The City Council has adopted plans and passed a resolution of intention providing for the following work: That Fourth St. from Gilman St. to Harrison St. be graded, redwood curbs, concrete gutters and an asphalt macadam be constructed.

A. G. Briggs is City Clerk.

**CORTE MADERA, Marin Co., Cal.**—The State Railroad Commission has granted permission to the Corte Madera Water Company to raise its rates, provided that within thirty days the company start improvements on its present system.

**RICHMOND, Contra Costa Co., Cal.**—The contract for the improvement of 25th, 26th and 28th streets has been awarded by the City Council to J. E. Staniger, Point Richmond, at \$6,863.69.

L. L. Page .....

Galbraith & Janes .....

**RICHMOND, Contra Costa Co., Cal.**—T. E. Clinch, 668 Ninth street, Richmond, submitted the low bid to the

City Council for the construction of a sewer in the Brown Andrade Tract. His bid was \$2,602.49.

Other bidders were:

Galbraith & Jones .....	\$4,206.72
L. L. Page .....	3,766.97
R. H. Downer .....	4,388.99
W. J. Tobin .....	5,701.12
J. E. Staniger .....	4,024.34

The awarding of the contract was laid over for one week.

MERCED, Merced Co., Cal.—Blanchard, Crocker & Howell, 58 Second street, San Francisco, have been awarded a contract by the Merced County Supervisors for paving streets about the county court house. The work includes the paving of all entrances to Court House Park, the driveway surrounding the building and paving of streets about the grounds. The bid was: Grading, 2 cents per square foot; curbing, 50 cents per linear foot; paving, 14 cents per square foot; wearing surface, 2 cents per square foot; twelve-inch culverts, 12¢ per linear foot; twenty-two-inch culverts, \$3 per linear foot; twenty-six-inch culverts, \$3 per linear foot.

RICHMOND, Contra Costa Co., Cal.—The City Council at its next meeting will consider the improvement of Lowell, 24th and 26th streets, plans for the work having been completed by the City Engineer.

A. C. Faris is City Clerk.

ALTURAS, Modoc Co., Cal.—The County Supervisors have contracted with the U. S. Forest Service to build a paved road to the state line, the estimated cost being \$120,000. The county has voted \$400,000 for highway improvements, the state line road to be paid for from this issue.

The County Development Board is urging the construction of an all winter road from California to Nevada by way of Redding and Alturas.

SEATTLE, Wash.—City Engineer A. H. Dimock, at the last meeting of the Board of Public Works, submitted plans and estimates for the following street improvements:

Paving of Dexter Ave.....	\$122,000
Paving of West 65th St.....	78,441

REDWOOD CITY, San Mateo Co., Cal.—The County Supervisors have awarded a contract to A. H. Kopperud, 2030 High Street, Oakland, at \$4.85 per barrel for improving the Mountain Home Road from Woodside to Searsville with "Roadmate."

The only other bidder was Blanchard, Crocker & Howell of San Francisco, at \$6.00 per barrel.

#### SUTTER COUNTY ROAD SYSTEM LAID OUT.

YUBA CITY, Sutter Co., Cal.—August 28th is the date set by the County Supervisors to vote on the question of issuing and selling bonds of \$810,000 with which to finance construction of a modern county highway system. If the issue carries the following roads will be constructed:

Live Oak-Pennington Road.	
Distance, 8.0 miles .....	\$58,000.00
Road from Tahoe to Ukiah State	

Highway to Live Oak Pennington Road.	
Distance, 10.3 miles .....	\$66,378.00
Road from Tahoe to Ukiah State Highway to Bogue Station.	
Distance, 6.5 miles .....	\$42,000.00
Nuestro-Terra Buena Road.	
Distance, 2.2 miles .....	\$15,349.00
Yuba City-Nicolaus Road.	
Distance, 18.9 miles .....	\$199,760.00
Nicolaus-Sacramento County Line Road.	
Distance, 17.9 miles .....	\$205,000.00
Nicolaus-Feather River Road.	
Distance, 2.5 miles .....	\$27,500.00
Long Bridge-Tarke Road.	
Distance, 2.7 miles .....	\$29,600.00
Knights Landing-Kirkville Road.	
Distance, 8.9 miles .....	\$97,900.00
Nuestro Lateral.	
Distance, .9 of a mile .....	\$5,800.00
Sanders Lateral.	
Distance, 2.3 miles .....	\$14,822.00
Pease Lateral.	
Distance, 2.1 miles .....	\$14,651.00
Bunce Lateral.	
Distance, 1.3 miles .....	\$13,740.00
Lincoln Lateral.	
Distance, .9 of a mile .....	\$5,850.00
Oswald Lateral.	
Distance, 2.1 miles .....	\$13,650.00

REDWOOD CITY, San Mateo Co., Cal.—At the last meeting of the San Mateo County Supervisors the following report was submitted by County Engineer George A. Kneass regarding the Gregorio-Tunitas Road:

"To put the road in a first class condition the following work should be done:

Provide for the proper drainage conditions; major portion of the road to be thoroughly scarified; placing of additional rock on the whole length of road, a layer of at least two inches in thickness, the whole reshaped, sealed and thoroughly rolled, followed up by an asphaltic oil and screenings surface. This work is estimated to cost \$10,200.00.

Briefly, the work would consist of grading, proper drainage, culverts, etc., and a waterbound macadam pavement seven inches in thickness with an asphaltic oil and screenings surface. This road would have a maximum grade of 7.80 per cent. Estimated cost, \$15,000.00."

EUREKA, Humboldt Co., Cal.—The City Engineer has been instructed to prepare plans and specifications providing for the grading of Brett Street between E and G Streets.

REDWOOD CITY, San Mateo Co., Cal.—Owing to protests the City Board of Trustees has decided to abandon the proposed improvement of Jefferson Avenue and Washington Streets.

MODESTO, Stanislaus Co., Cal.—The City Council is considering the purchase of the Modesto Gas Co.'s lighting system and the installation of a modern electrolier system. The electrolier system plan is favored and it is probable that a decision will be made in the near future.

REDWOOD CITY, San Mateo Co., Cal.—The City Trustees have instructed the clerk to advertise for bids for the construction of a small culvert in Webster Street near the City Hall.

HOLTVILLE, Imperial Co., Cal.—George R. Daley of San Diego, has been awarded a contract for paving several streets at Holtville, the total cost to amount to about \$200,000. A 5½-inch pavement will be constructed and Mr. Daley's bid was 35¢ per sq. ft. Work is to be commenced by next month.

MERCED, Merced Co., Cal.—The County Supervisors have rejected bids for the Himlar-Irwin-Stevenson, the Merced-Snellings-Merced Falls, the Atwater-Winton highways and a section near Dos Palos. The bids were considered too high and the work was ordered started by day labor under the supervision of the County Highway Engineer.

Note.—While bids for the Merced-Snellings-Merced Falls were rejected, the Supervisors decided to award the contract for grading same to James Hannagan of San Benito, whose bid was 62½ cents per cubic yard.

MARTINEZ, Contra Costa Co., Cal.—Plans prepared by W. S. Farley, City Engineer, for a system of concrete streets have been adopted by the City Trustees. The work will cost in the neighborhood of \$100,000 and will include practically all streets on the north side of Main street west of Alhambra Creek. The streets included are Main, High, Talbert, Escobar, Berrelles, Smith and Castro.

According to the plans submitted, the streets will be constructed of concrete with a 6-inch base and a wearing surface of Warrantite or a similar substance an inch and one-half in thickness. The streets will vary in width from 36 to 40 feet, according to the importance of the thoroughfare and there will be concrete curbs on each side.

SACRAMENTO, Cal.—Preparations are being made to launch a bond issue for \$1,250,000 with which to complete the present highway system. Two of the roads to be improved are the lower Stockton road to Franklin and the Jackson road from Perkins to a point eight miles east.

F. B. McKevitt is Sacramento County Highway Engineer.

GRASS VALLEY, Nevada Co., Cal.—The Grass Valley Trustees have voted to proceed with the paving of the line of the State Highway lateral across the Townsite, a distance of one and one-half miles.

The first work to be undertaken will be the paving of East Main St., connecting up the present pavement on lower Main street opposite the Frank building with the highway at the city limits. Other units will be taken up after this work is completed.

Albert Givan, Road Engineer, Forum Bldg., Sacramento, has been selected by the Board to prepare plans for the proposed work.

LONG BEACH, Los Angeles Co., Cal.—On recommendation of City Engineer Fred Hoffman the City Commission has authorized the Public Works Commissioner to prepare an ordinance of intention to pave with concrete and oil and rock screenings surface Olive avenue from First to Tenth street.

GLENDAL, Los Angeles Co., Cal.—Olmsted & Gillette, Hollingsworth Bldg., Los Angeles, consulting engineers, have been commissioned to prepare plans for a sewer system for the business district of the city.

RICHMOND, Contra Costa Co., Cal.—The City Council has adopted plans for the sewerage of Townships and East Richmond tracts. After a resolution of intention is passed bids for the work will be called for.  
A. C. Faris is City Clerk.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, have awarded contracts for street improvements as follows:

To the Oakland Paving Co., 5000 Broadway, Oakland, for the improvement of the west half of Jefferson street from 10th street to 11th street and the east half of Jefferson street from 10th street to a line parallel 100 feet south, by the construction of concrete curbs, brick gutters 14 inches wide and paved with an asphalt pavement; also the west half of Jefferson street from 11th to 12th street and re-setting of granite curbs on the west side of Jefferson from 11th to 12th street.

To the Oakland Paving Company, 5000 Broadway, Oakland, for the improvement of 34th avenue from Paxton street to the northeast line of lot 6 in the "Edwards Tract," and Davis street from Peralta to 34th avenue by grading, redwood curbing, concrete gutters 3 feet wide and paving with oil macadam.

To Hutchinson Co., 444 17th street, Oakland, for the construction of a concrete culvert in Kingsland avenue, construction of vitrified pipe conduits, and the construction of brick manholes with cast iron tops.

Hutchinson Co. was also awarded the contract for the improvement of 35th avenue from East Tenth street to 35th avenue, etc., by grading, construction of concrete curbs and gutters, 3 feet wide, laying an oil macadam pavement and the construction of cement sidewalks six feet wide.

LOS ANGELES, Cal.—Wm. W. Goshing, 3853 Montclair St., Los Angeles, was awarded the contract at \$24,888, for constructing a cement pipe sewer in Homer street between Avenue 23 and its north terminus and other streets in Homer street sewer district.

SAN BERNARDINO, Cal.—County Highway Commissioner L. R. Lathrop is completing specifications for paving Mt. Vernon avenue, from Fifth St. to the north city limits, and bids will be called for in a few days. An appropriation of \$20,000 was made for a concrete pavement 16 feet wide.

TURLOCK, Stanislaus Co., Cal.—The City Trustees have approved plans and specifications for the improvement of several streets and avenues and a call for bids will be issued in the near future.

Eight streets are included in the paving district which will cover nearly two miles.

SAN FRANCISCO.—Bids for paving Sections 2 and 3 of the Sea Wall on

the water front of San Francisco, were opened August 20th by the Harbor Commissioners as follows:

Pay Improvement Co., \$15,084.79 and \$13,163.51.  
Ed. J. Treacy & Co., \$14,064.45 and \$12,789.70.

Blanchard, Crocker & Howell, \$12,669.20 and \$9,604.52.

E. M. Chadbourne, \$15,268.40.

Raisch Improvement Co., \$15,388.01 and \$13,412.95.

D. O. Church, \$12,938.45.

Healy-Tibbitts Construction Co., \$14,186.24.

OAKLAND, Cal.—The City Council has passed resolution of intention providing for the improvement of Washington street between First and Second streets by grading, resetting granite curbs and basalt gutters and paving with an asphalt pavement. L. W. Cummings is City Clerk.

SACRAMENTO, Cal.—The County Supervisors have ordered bids received up to September 3rd, 10 A. M., for the paving of the following roads:

Portions of Winding Way Road.

Portions of Jackson Road and the paving of the Placerville road from Mills Station six miles eastward.

Former bids received for this work were rejected by the Supervisors as being too high.

Bids have also been ordered received, to close on the same date, for the grading work to be done on the county hospital grounds.

Plans may be had from the County Clerk at Sacramento.

EUREKA, Humboldt Co., Cal.—Owing to increased work in the office of City Engineer H. H. Hannah the City Council has secured the services of Ed. Bovine of San Francisco to assist in the work.

Among street improvements in the City Engineer's hands now are the Fourth and Broadway Street highway, A Street, Del Norte Street, Fifth Street, Brett Street and several sewer improvements.

LOS ANGELES, Cal.—White & Gaskill, Long Beach, submitted the lowest bid at \$218,000 for constructing an oil macadam road with disintegrated granite base on Sierra Madre road, Hovey Ave., A St. and Reed road in Road Improvement District No. 149. The road to be improved extends from Lancaster to Redman in Antelope valley and is 14.19 miles in length. The other bids received by the board of supervisors were as follows: Rogers Bros., \$222,000; Geo. S. Benson & Sons, \$234,500; Geo. R. Curtis, \$260,000; R. T. Shea, \$261,000; and Richard Rothwell, \$269,000. The bids were referred to the road committee of the supervisors.

PETALUMA, Sonoma Co., Cal.—Property owners having failed to provide for the construction of sidewalks in portions of Western Avenue and English Street in the Western Addition, the Council has decided to undertake the work and charge same to the property.

MERCED, Merced Co., Cal.—The City Council, J. D. Wood, City Clerk,

has awarded contracts to A. Teichert & Son, Ochsen Bldg., Sacramento, for the following street improvements:

Alley in block 106 by grading, construction of concrete curbs and paving with a 4-inch hydraulic cement concrete base.

Alley in Block A, by grading, construction of concrete curbs, and paved with a 4-inch hydraulic cement concrete base, also for the installation of drains with concrete manholes and cast iron covers.

MERCED, Merced Co., Cal.—Bids will be received by the City Council, J. D. Wood, City Clerk, up to September 2nd, 8 p.m., for the improvement of the Alley in Block 105 by grading, construction of concrete curbs and paving with a 4-inch hydraulic cement concrete base.  
Plans may be had from the City Clerk.

PETALUMA, Sonoma Co., Cal.—The City Council has approved the plans of Engineer W. C. Howe, of the engineering firm of Howe and Peters, for the proposed improvement of Main and Third Streets and a call for bids will be issued within the next few days.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors, J. H. Wells, County Clerk, has been instructed to call for bids for rockering the Franklin Canyon Road.

Bids have also been ordered received for the construction of two concrete culverts on the Walnut Creek road and for the construction of a bridge at Walnut Creek.

R. R. Arnold is County Surveyor.

SANTA CRUZ, Santa Cruz Co., Cal.—Bids will be received by the City Council, up to September 2nd, 10 a. m., for the construction of a storm water drain on Seabright Avenue, from Pine Street to James Street, a distance of 596 feet. Said drain to be constructed of concrete cement pipe of 18 inches internal diameter, similar and equal to 18-inch concrete pipe.

Plans may be had from S. A. Evans, City Clerk.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the City Council, G. W. Pulich, City Clerk, up to September 10th, 10:30 a.m., for the following improvement of the following streets:

Worth and Anderson, each from the west line of Ophir to the west line of East.

Ophir and Sierra Nevada, each from the south line of Taylor to the south line of Anderson.

That the west half of East from the south line of Taylor to the south line of Anderson.

Be improved by grading, concrete curbs and gutters, sidewalks be constructed and paving the roadway.

SAN FRANCISCO—The improvement of Tennessee street between 18th and 19th streets by resetting existing curbs and constructing an asphalt pavement. Awarded to the Blanchard, Crocker & Howell Co., 58 Second Street.

The improvement of Hale street between San Bruno avenue and Merrill street, grading, construction of an 8-inch vitrified, salt-glazed, ironstone pipe sewer and 22 Y branches and one brick manhole, concrete curbs, artificial stone sidewalks, 4 brick catchbasins and an asphalt pavement.

Awarded to C. B. Eaton, 407 11th St.

**SANTA ROSA, Sonoma Co., Cal.**—Plans and specifications have been approved by the City Council for the improvement of E Street and a resolution of intention has been passed providing for the work.

**STOCKTON, San Joaquin Co., Cal.**—The County Supervisors have awarded a contract to R. C. Tumulty, 1915 N. El Dorado St., Stockton, for the paving of a short stretch of Louie Avenue, adjoining Lodi, on his bid of \$1,182.87.

**SAN FRANCISCO.**—The following bids were opened by the Board of Public Works for furnishing 350 meters for use of the Municipal Plant:

Neptune Meter Co. ....	\$3,748.50
National Meter Co. ....	3,668.00
Worthington Co., Los Angeles ..	3,307.50

**WESTGATE, Los Angeles, Cal.**—The Los Angeles City Council has called a special election in the Westgate district for August 28 to vote on the proposition of issuing bonds in the sum of \$700,000 for the construction of a water distributing system for that district.

**FLAGSTAFF, Ariz.**—The city council has rejected the bid of the Southwestern Contracting Co. of Phoenix, at \$101,700 for paving fourteen blocks in the northeastern section of the city. The cost of the improvement was considered too high for the property owners to bear alone and it is probable that an agreement will be made whereby the city will stand a portion of the expense.

**SAN MATEO, San Mateo Co., Cal.**—No action was taken on the proposed paving of Sixth, Seventh, Eighth and Ninth Avenues between I Street and the railroad, as protests on the work were filed. The Trustees expect to render a final decision at the next meeting.

**RICHMOND, Contra Costa Co., Cal.**—Bids will be received by the City Council, A. C. Faris, City Clerk, up to September 2nd, 8:30 p.m., for the following work:

That 6-inch sewers of standard salt glazed, vitrified sewer pipe be constructed as follows:

In McBryde Ave. bet. San Pablo Ave. and Sonoma St., in Esmond and Garvin Aves. bet. San Pablo Ave. and Kern St.; in Solano Ave. bet. McLaughlin Ave. and Key Blvd.; in Clinton Ave. bet. San Pablo Ave. and Humboldt St.; in rear of lots in Block 9 of the Tewksbury Heights Tract; in Sonoma and Yuba Sts. bet. Esmond and McBryde Aves.; in Kern St. bet. Garvin and McBryde Aves.; in Key Blvd. bet. Garvin Ave. and the N. boundary line of the City, and bet.

Roosevelt and Sierra Aves.; in Humboldt, Ventura and Lassen Sts. bet. Key Blvd. and the N. boundary line of the City; and in McLaughlin St. and San Pablo Ave. bet. Roosevelt Ave. and the N. boundary line of the City.

That 8-inch sewers of standard salt glazed, vitrified sewer pipe be constructed in Key Blvd. bet. Garvin Ave. and Ventura St.

That 10-inch sewers of standard salt glazed, vitrified sewer pipe be constructed in Key Blvd. bet. Ventura St. and Sierra Ave., and in Sierra Ave. bet. Key Blvd. and San Pablo Ave.

That manholes of brick and cement concrete with cast iron rims and covers; lampholes of standard salt glazed, the south. boundary lines of Richmond Fifth Addition be graded and paved with a 5-inch cement concrete base, and a wearing surface of asphalt and broken rock; that curbs, gutters, sidewalks and wing walls of cement concrete be constructed, and that curbs and gutters of cement concrete be reconstructed on Twenty-fifth St. bet. the south. line of Richmond Fifth Addition and Grant Ave.

That Lowell Ave. bet. the west. line of Twenty-third St. and the east. line of Twenty-sixth St. and Twenty-fourth and Twenty-sixth Sts., bet. Rheem and Humphrey Aves., be graded to the official lines and grades; paved with a 5-inch concrete base with a wearing surface of asphalt and broken rock.

That curbs, gutters, sidewalks, wing-walls and portals of cement concrete; curb bars of galvanized steel, and cu'vets of corrugated iron or steel and cement concrete, be constructed.

That 10-inch sewers of standard salt glazed, vitrified sewer pipe be constructed in Twenty-third St. bet. the north. line of Lowell Ave. and the south. line of Andrade Boulevard.

That 6-inch sewers of standard salt glazed, vitrified sewer pipe be constructed in Lowell Ave. bet. the west. line of Twenty-third St. and the east. line of Twenty-sixth St.

That manholes of brick and cement concrete, with cast iron rims and covers, and a tee branch and wye branches of standard salt glazed, vitrified sewer pipe, be constructed.

That Barrett Ave. bet. Garrard Blvd. and the east. line of the right-of-way of the S. P. Co., be repaved with a wearing surface of asphalt and broken rock.

Sub-figures Being Taken. To Be Done by Day Work.

**WAREHOUSE** Cost, —  
**LOS ANGELES.** 2417 McPherson St. Three-story brick warehouse building, 40x145.

Owner—Economy Paper Co.  
Architect—J. M. Cooper, 334 Marsh-Strong Bldg., Los Angeles.

## RAILROADS.

**SANTA ROSA, Sonoma Co., Cal.**—The Board of Directors of the Petaluma and Santa Rosa Railway has instructed General Manager E. H. Maggard, to proceed with the plans of extending the Forestville branch of the system to Mirabel Park on the Russian River, contingent upon securing free rights-of-way. This extension will cover about two miles.

## FIRE EQUIPMENT.

**EAGLE ROCK, Los Angeles Co., Cal.**—The Board of Trustees of the City of Eagle Rock will receive bids up to 5 o'clock P. M., September 1, for furnishing one chemical fire engine, mounted on a Ford automobile or auto truck, cost not to exceed \$1500 fully equipped. Benj. B. Martsoff, City Clerk.

**CHICO, Butte Co., Cal.**—Bids received by the City Trustees for furnishing and delivering a triple combination rotor fire truck have been taken under advisement. Bids were received for three different machines: Seagrave, American-La France and Mack. The new apparatus will include a 500-gallon booster pump, a large chemical tank and from 1200 to 1500 feet of hose.

O. E. Tracy is chairman of the committee who shall make the selection of the truck to be purchased.

**WATSONVILLE, Santa Cruz Co., Cal.**—The Trustees of the Watsonville Union High School District have awarded a contract to the Palero Valley Mercantile Co., Watsonville, to furnish four Dodge-Graham trucks for use in transporting pupils to and from the school.

The bid was \$3,000 per truck.

## THANK HEAVEN PEACE HAS COME.

Charlie: I hear Mr. Bigwad has called his new mansion the League of Nations. That's a peculiar name.

Henrie: Well, it has Grecian pillars, a Dutch roof, a Japanese sun garden, French windows, Turkish rugs and a Spanish tile roof. He thought the name was apropos.

## ON BATH NIGHT ONLY.

Engineer: What size water system do you want?

Councilman Fogarty of Irishtown: Four thousand gallons a day on week days and Sundays and tin thousand gallons on Saturday nights.

## HOWARD OF TRENTON POTTERIES ON VISIT TO MAIN FACTORY.

The smiling face of P. F. Howard will be missed by members of the Building Industries Association, especially the plumbers, for the next few weeks, as Howard has left for Trenton, N. J., where he will visit the main factory of the company. On his return he promises to have many new things to tell his friends regarding the products which his firm is turning out.

The local offices of the Trenton Potteries Company is maintained in the Monadnock Building.

## PERHAPS HIS NAME WAS BILL.

Oh, contractor, come build my house, Come, build and build and build. Alas he came and built my house And billed and billed and billed.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

No.	Owner	Contractor	Amt.
1692	Ireland	Haun	500
1693	Toner	Hurley	500
1694	Marvin	Leiter	1200
1695	Allen	Ostlund	2000
1696	Gorman	Gorman	2000
1697	Bernstein	Holmgren	2500
1698	Balfour	Williams	16640
1699	Gietzen	Guilfooy	1194
1700	Same James & Drucker		1995
1701	Same	Whitmore	1045
1702	Same	Fontenella	12200
1703	Same	Forbes	10145
1704	Lewis	Hoin	5400
1705	Cancilla	Monson	5000
1706	Cerruti	Trevia	22925
1707	Nelson	Nelson	3000
1708	Nelson	Nelson	3000
1709	Nelson	Nelson	3000
1710	Nelson	Nelson	3000
1711	Goldsmith	Western Hdw	850
1712	Cal. Phono	W. Hdw	850
1713	Arata	Central	700
1714	Crux	Butler	900
1715	Searles	Persson	400
1716	Hausman	Owner	400
1717	Shell Oil	Clinton	16000
1718	Marrock	Owner	2000
1719	Hillard	Peterson	19000
1720	Same	Otis	3060
1721	Same	Hogberg	13200
1722	Same	Amsler	1950
1723	Same	Smith	23170
1724	Same	Gilley	6543
1725	Same	Bender	408
1726	Same	Conlin	2690
1727	Same	Neal	9000
1728	Same	Decker	7500
1729	Same	Snook	10778
1730	Hillard	Geary	6150
1731	Same	Fuller	2800
1732	Same	Johnson	21598
1733	Same	Rigney	4200
1734	Sargent	Agmar	552
1735	Sargent	Morehouse	1120
1736	Heine	Owner	35000
1737	City of Paris	Wagner	50000
1738	Anderson	Owner	6000
1739	Gilbert	Bjorkman	450
1740	Spring Valley	Maas	666
1741	Morbio	Owner	4000
1742	Peninsula	Lange	1000
1743	Braun	Flaherty	475
1744	Langdon	Owner	500
1746	Towle	Petersen	1300
1746	Edelstein	Abrahams	6000
1747	Giacobbi	Lechner	9000
1748	Deming	Hoyt	5000
1749	Dean	Arnold	3000
1750	Magnus	Owner	3500
1751	Funston	Hannah	500
1752	Cox Est.	Zimmerman	400
1753	Rec. Com.	Vowinkel	4750
1754	Rec. Com.	Vowinkel	3562
1755	Cal. Brew'g	Barrett	2400
1756	Hanson	Barrett	3500
1757	Kern	Barrett	10000
1758	Lafayette	Cavanaugh	71530
1759	McCreery	Gilson	3006
1760	Sperry	Duncan	3500
1761	Siebrecht	Lapham	11000
1762	Brickell	Collman	8200
1763	Otis	Vogt	24328
1764	Pickering	Owner	7000

#### ifications filed.

1765	McCarthy	Arnott	2500
1766	Prior	Swenson	400
1767	Tovaroz	Home	4300
1768	McLaughlin	Fennell	1000
1769	Royal Soap	Diestel	980
1770	Foorman	Urfer	435
1771	Langdon	Owner	500
1772	Condon	Brutcher	400
1773	Tagliani	Pastorini	700
1774	Germano	Amaroso	600
1775	Rosenthal	Grant	575
1776	Alden	Owner	400
1777	McTigue	Owner	400
1778	Gietzen	Tittle	1596
1779	Gietzen	Soule	2085
1780	Billings	Sorenson	62949
1781	Gump	Bateman	6150

#### CEMENT WORK

(1692) NO. 764 ELIZABETH. Cement work, etc., in basement. Owner—E. L. Ireland, Premises. Architect—None. Contractor—C. C. W. Haun, 180 Jessie, San Francisco.

COST, \$500

#### ALTERATION

(1693) NO. 4675 EIGHTEENTH. Alteration for garage. Owner—Mrs. Toner, 85 Henry, San Francisco. Architect—None. Contractor—P. J. Hurley, 146 Herman, San Francisco.

COST, \$500

#### ADDITION

(1694) NO. 2710 BROADWAY. Add one room and bath to dwelling. Owner—Marvin Curtis, 412 Cal Bldg., San Francisco. Architect—Edw. G. Bolles, 233 Post, San Francisco. Contractor—E. T. Leiter, 412 Call Bldg., San Francisco.

COST, \$1200

#### PARTITIONS

(1695) NO. 135 KEARNY. Wood and glass partitions. Owner—Wiley B. Allen Co., 135 Kearny, San Francisco. Architect—C. F. Plummer, Los Angeles, Cal.

Contractor—Ostlund — Johnson, 1901 Bryant, San Francisco.

COST, \$2000

#### FLATS

(1696) CULEBRA TERRACE 28 N Chestnut. Two-story frame (2) flats. Owner—Mrs. Mary T. Gorman, 1156 Chestnut, San Francisco. Architect—None. Contractor—Richard P. Gorman, 1156 Chestnut, San Francisco.

COST, \$2000

(1697) E TWENTY-SECOND 90 N Vicente. One-story and basement frame dwelling. Owner—Isaac Bernstein, 1999 Geary, San Francisco. Architect—None.

Contractor—Victor Holmgren.

COST, \$2500

(1698) SE CALIFORNIA AND Sansome, S 89XE 129.94. Receive, unload, store, distribute and paint structural steel and cast iron bases for a 12-story Class A office Bldg. Owner—The Balfour-Guthrie Investment Co., by P. J. Walker Co., agent, Monadnock Bldg., San Francisco.

Architect—Geo W. Kelham, Sharon Bldg., San Francisco.

Contractor—J. G. Williams Construction Co., 519 California, San Francisco.

Filed Aug. 18, '19. Dated Aug. 8, '19. Payments semi monthly of ..... 75%  
On completion ..... 25%

TOTAL COST, \$16,640  
Bond, \$8,320. Sureties, The Fidelity & Casualty Co. Forfeit, none. Limit, 35 days. Plans and specifications filed.

(1699) S POST 87-6 E Larkin, E 100X8 137-6. Galvanized iron work for a one-story, mezzanine and basement reinforced concrete building.

Owner—Jacob Gietzen, 3312 Mission, San Francisco.

Architect—W. H. Crim, Jr., 425 Kearny, San Francisco.

Contractor—Guilfooy Cornice Works, 209 8th, San Francisco.

Filed Aug 18, 19. Dated Aug. 8, '19. On 1st and 15th of each month 75%  
Usual 35 days ..... 25%

TOTAL COST, \$1194  
Bond \$600. Sureties, Jas Guilfooy and Howard C. Castle. Forfeit, \$20. Limit 10 days after roof is on. Plans and specifications filed

(1700) PLUMBING AND GAS FITTING on above.

Contractor—James & Drucker, 450 Hayes, San Francisco.

Filed Aug 18, '19. Dated Aug. 8, '19. Payments same as above.

TOTAL COST, \$1995  
Bond, \$1,000. Sureties, Oscar H. Countryman and Geo. F. Rueter. Forfeit, \$20 Limit, 10 days after 2nd coat of paint is on. Plans and specifications filed.

(1701) INTERIOR AND EXTERIOR plastering on above.

Contractor—G. E. Whitmore, 5 Alma, San Francisco.

Filed Aug 18, '19. Dated Aug. 8, '19. Payments same as above.

TOTAL COST, \$1045  
Bond, \$530. Sureties, Maryland Casualty Co. Forfeit \$20. Limit, 12 days after building ready for lathing. Plans and specifications filed.

(1702) CARPENTRY WORK, MILL work, mastic flooring, stair building, glass and glazing on above.

Contractor—Louis Fontenella, 1920 Pine, San Francisco.

Filed Aug 18, '19. Dated Aug. 8, '19. Payments same as above.

TOTAL COST, \$12,200  
Bond \$6,100. Sureties, United States Fidelity and Guaranty Co. Forfeit, \$20. Limit, 75 days. Plans and specifications filed.



(1703) CONCRETE, REINFORCED concrete, etc., on above.  
Contractor—It. J. H. Forbes, 180 Jessie, San Francisco  
Filed Aug. 18, '19. Dated Aug. 8, '19.  
Payments same as above.

TOTAL COST, \$10,145  
Bond, \$5,075. Sureties, John Cassarretto and Emil Hoberg. Forfeit, \$20. Limit, 75 days. Plans and specifications filed.

(1704) S POST 28 W Meacham Place W 28xS 54-3. All work except window shades and electric fixtures for a one-story and basement brick building.  
Owner—Edw. and Henrietta Lewis.  
Architect—None.

Contractor—Theo S. Hoin, 1739 Washington St., San Francisco.

Filed Aug. 18, '19. Dated Aug. 16, '19.  
Walls up .....\$1350  
Brown coated ..... 1350  
Completed and accepted ..... 1350  
Usual 35 days ..... 1350

TOTAL COST, \$5,400  
Bond, \$2,700. Sureties, Massachusetts Bonding and Investment Co. Forfeit, \$15. Limit, 40 days. No plans or specifications filed.

#### ALTERATIONS

(1705) S Filbert 82-6 E Jones, E 40x S 137-6. One-story frame store building and alterations to old building.

Owner—Vincent and Rose Cancilla, 971 Filbert, San Francisco.

Architect—W. J. Cuthbertson, 2265 Market, San Francisco.

Contractor—F. Monson, 180 Jessie, San Francisco.

Filed Aug. 18, '19. Dated Aug. 12, '19.  
Frame up and old building moved in place .....\$1250  
Rough plumbing in and brown coated ..... 1250  
Completed and accepted ..... 1250  
Usual 35 days ..... 1250

TOTAL COST, \$5,000  
Bond, \$2,500. Sureties, Chas Monson and O. Monson. Forfeit \$5. Limit, 90 days. Plans and specifications filed.

#### GARAGE

(1706) — TAYLOR and Chestnut, N 72xS 145. All work for two-story reinforced concrete garage Bldg.  
Owner—Edw. Cerruti, 901 Columbus Ave., San Francisco.

Architect—P. Righetti, Phelan Bldg., San Francisco.

Contractor—G. Trevia, 400 Bay St., San Francisco.

Filed Aug. 18, '19. Dated July 22, '19.  
Foundations and forms for 1st story in .....\$4295  
1st story walls poured and 2d story floor slab in ..... 4295  
2nd story walls finished and roof covered ..... 4295  
Completed and accepted ..... 4295  
Usual 35 days ..... 6745

TOTAL COST, \$22,925  
Bond, \$11,500. Sureties Angelo V. Garassino and Domenico Trevia. Forfeit, \$25. Limit, 80 days. Plans and specifications filed.

(1707) NW WAWONA 275 SW Vicente. One-story and basement frame dwelling.  
Owner—F. Nelson & Sons, 2701 Linway, San Francisco.

Architect—None.  
Day's work. COST, \$3,000

#### DWELLING

(1708) W WAWONA 120 S Ulloa. One-story and basement frame dwelling.

Owner—F. Nelson & Sons, 2701 Linway, San Francisco.

Architect—None.  
Day's work. COST, \$3,000

#### DWELLING

(1709) W MADRONE 75 N Vicente. One-story and basement frame dwelling.

Owner—F. Nelson & Sons, 2701 Linway, San Francisco.

Architect—None.  
Day's work. COST, \$3,000

#### DWELLING

(1710) E MADRONE 225 N Vicente. One-story and basement frame dwelling.

Owner—F. Nelson & Sons, 2701 Linway, San Francisco.

Architect—None.  
Day's work. COST, \$3,000

#### ALTERATION

(1711) NO. 1455 FILLMORE. Alter front.

Owner—Emma Goldsmith, 1st National Bank Bldg., San Francisco.

Architect—None.

Contractor—Western Hardware Mfg. Co., 1034 Golden Gate Ave., San Francisco.

Day's work. COST, \$850

#### ALTERATION

(1712) NO. 1009 Market. Alter front and rebuild mezzanine floor.

Owner—California Phonograph Co.

Architect—None.

Contractor—Western Hardware Mfg. Co., 1034 Golden Gate Ave., San Francisco.

Day's work. COST, \$850

#### ALTERATION

(1713) NO. 734-36 PACIFIC. Cut opening in wall.

Owner—Paul Arata, 1124 Clay St., San Francisco.

Architect—None.

Contractor—Central Iron Works, 2050 Bryant, San Francisco.

Day's work. COST, \$700

#### UNDERPINNING

(1714) NO. 2515 BROADWAY. Underpinning.

Owner—Geo. A. Crux, Premises

Architect—D. J. Patterson, Maskey Bldg., San Francisco.

Contractor—J. J. Butler, Builders' Exchange, San Francisco

Day's work. COST, \$900

#### BALCONY

(1715) NO. 134 Minna. Erect balcony.

Owner—Malles Searles, Premises.

Architect—None.

Contractor—Persson & Lee, 434 Grove San Francisco.

Day's work. COST, \$400

#### RESIDENCE

(1718) W FOREST AVE. 233 N Vicente. Two-story and basement frame residence.

Owner—M. C. Marlock, 820-2nd Ave., Burlingame.

Architect—None.

Day's work. COST, \$2,000

Work started.

#### APARTMENT HOUSE

(1719) NW LAUREL and Washington, W 82-6xN 100. All work for concrete and fireproofing of Class "A" apartment house.

Owner—C. J. Hillard, 19th and Minnesota, San Francisco.

Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

Contractor—H. L. Peterson, Lick Bldg., San Francisco.

Filed Aug. 19, '19. Dated July 14, '19.

Work up to 3rd floor poured.....\$4383  
Work up to 5th floor poured..... 4383  
Work up to roof & pent house 4383  
Completed and accepted exclusive of sidewalks ..... 1101  
Usual 35 days ..... 4750

TOTAL COST, \$19,000

Bond, \$19,000. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, without delay. Plans and specifications filed.

(1720) ELEVATOR WORK on above.

Contractor—Otis Elevator Co., Beach and Stockton, San Francisco.

Filed Aug. 19, '19. Dated July 14, '19.

On delivery of engines ..... ½  
In position ..... ¼  
Running ..... ¼

TOTAL COST, \$3,060

Bond, Sureties, Forfeit, Limit, none. Plans and specifications filed.

(1721) BRICK AND HOLLOW TILE work on above.

Contractor—Emil Hogberg, 180 Jessie, San Francisco.

Filed Aug. 19, '19. Dated July 14, '19.

3rd story window sills set.....\$3,000  
Extension wall completed..... 6000  
Completed ..... 900  
Usual 35 days ..... 3300

TOTAL COST, \$13,200

Bond, \$13,200. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 30 days after notification. Plans and specifications filed.

(1722) PATENT FLUE on above.

Contractor—Chas. S. Amsler, 25 Shotwell, San Francisco.

Filed Aug. 19, '19.

Up to 4th floor .....\$700.00  
Completed ..... 762.50  
Usual 35 days ..... 487.50

TOTAL COST, \$1,950

Bond, Sureties, Forfeit, none. Limit, without delay. Plans and specifications filed.

(1723) METAL FURRING LATHING, exterior and interior plastering on above.

Contractor—James F. Smith, 273 Minna, San Francisco.

Filed Aug. 19, '19. Dated July 31, '19.

Laths and channels delivered .....\$5,000.00  
Furred and lathed ..... 5500.00  
Brown coated ..... 3500.00  
Completed ..... 4877.50  
Usual 35 days ..... 6292.50

TOTAL COST, \$25,170

Bond, \$25,170. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, as required. Plans and specifications filed.

(1724) STEAM HEATING AND HOT water systems on above.  
Contractor—Gilley-Schmitt Co., 198 Otis St., San Francisco.  
Filed, Aug. 19, '19. Dated July 16, '19.  
Roughed in .....\$3271.50  
Completed ..... 1635.75  
Usual 35 days ..... 1635.75

**TOTAL COST, \$6543**

Bond, \$6543. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, without delay. Plans and specifications filed.

(1725) COMPOSITION ROOFING on above.  
Contractor—J. W. Bender Roofing & Paving Co., Monadnock Bldg., San Francisco.  
Filed, Aug. 19, '19.  
Completed .....\$306  
Usual 35 days ..... 102

**TOTAL COST, \$408**

Bond, Sureties, Forfeit, none. Limit, without delay. Plans and specifications filed.

(1726) SHEET METAL WORK on above.  
Contractor—Conlin & Roberts, 410 Natoma, San Francisco.  
Filed, Aug. 19, '19.  
Completed .....\$2767.50  
Usual 35 days ..... 922.50

**TOTAL COST, \$3690**

Bond, Sureties, Forfeit, none. Limit, without delay. Plans and specifications filed.

(1727) PAINTING ON ABOVE.  
Contractor—L. J. Neal, 455 Hayes, San Francisco.  
Filed Aug. 19, '19. Dated July 8, '19.  
One-half completed .....\$3000  
Completed ..... 3750  
Usual 35 days ..... 2250

**TOTAL COST, \$9000**

Bond, \$9,000. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 60 days. Plans and specifications filed.

(1728) ELECTRIC WORK on above.  
Contractor—Decker Electrical Construction Co., 149 New Montgomery St., San Francisco.  
Filed Aug. 19, '19. Dated July 14, '19.  
3rd floor roughed in .....\$1875  
Completely roughed in ..... 1875  
Completed and accepted ..... 1875  
Usual 35 days ..... 1875

**TOTAL COST, \$7500**

Bond, \$7,500. Sureties, New Amsterdam Casualty Co. Forfeit, Limit, none. Plans and specifications filed.

(1729) PLUMBING ON ABOVE.  
Contractor—Frederick W. Snook Co., 594 Clay, San Francisco.  
Filed, Aug. 19, '19. Dated July 14, '19.  
Roughed in .....\$5289.00  
Completed ..... 2644.50  
Usual 35 days ..... 2644.50

**TOTAL COST, \$10,578**

Bond, \$10,359. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 60 days. Plans and specifications filed.

The following contracts on above were also filed: Geary Floor Co., \$6,150; W. P. Fuller Co., \$2,800; J. Harold Johnson, \$21,598; Thos. F. Regney, \$4,200.

Also the following other jobs were filed for record:  
George C. Sargent, owner with

Paul Aguar, contractor, Frank M. Garden, architect, for painting residence at 2235 Lake St., \$552. Lathing and plastering on same to C. C. Morehouse for \$1120. Full particulars tomorrow.

#### SHOPS

(1717) NW MARIN and Illinois. Two-story concrete and steel machine shops, 37x102.  
Owner—Shell Oil Co. of California, 343 Sansome, San Francisco.  
Architect—None.  
Contractor—Clinton Construction Co., 140 Townsend, San Francisco.  
**COST, \$16,000**

#### APARTMENTS

(1730) NW LAUREL AND WASHINGTON W 82-6xN 100. Sleepers and hardwood flooring for a five-story Class "A" apartment house.  
Owner—C. J. Hillard, 19th and Minnesota, San Francisco.  
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.  
Contractor—Roy Geary as Geary Floor Co., 110 Jessie St., San Francisco.  
Filed Aug. 19, '19. Dated July 30, '19.  
All flooring and sleepers laid .....\$2307.50  
Completed ..... 2307.50  
Usual 35 days ..... 1536.00

**TOTAL COST, \$6150**

Bond, \$6150. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 60 days. Plans and specifications filed.

(1731) GLASS, GLAZING AND MIRROR work on above.  
Contractor—W. P. Fuller & Co., SW Beale and Mission, San Francisco.  
Filed Aug. 19, '19. Dated July 29, '19.  
Completed .....\$2100  
Usual 35 days ..... 700

**TOTAL COST, \$2800**

Bond, Sureties, Forfeit, none. Limit, 60 days. Plans and specifications filed.

(1732) CARPENTER, MILL WORK and joinery on above.

Contractor—J. Harold Johnson, 180 Jessie, San Francisco.  
Filed Aug. 19, '19. Dated July 14, '19.  
Window frames set .....\$3,000.00  
Ready for plastering ..... 4500.00  
Standing trim in place ..... 4000.00  
Completed ..... 4698.50  
Usual 35 days ..... 5399.50

**TOTAL COST, \$21,598**

Bond, \$21,598. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 60 days. Plans and specifications filed.

(1733) TILE WORK on above.  
Contractor—Thomas F. Rigney, 180 Jessie, San Francisco.

Filed Aug. 19, '19. Dated July 25, '19.  
Baths completed .....\$1200  
Completed ..... 1950  
Usual 35 days ..... 1050

**TOTAL COST, \$4200**

Bond, \$4200. Sureties, New Amsterdam Casualty Co. Forfeit, Limit, none. Plans and specifications filed.

#### PAINTING

(1734) NO. 2235 LAKE ST. All work for painting residence.  
Owner—George C. Sargent, Hobart Bldg., San Francisco.  
Architect—Frank M. Garden, 1215 Filbert, San Francisco.

Contractor—Paul Aguar, 433 California, San Francisco.  
Filed Aug. 19, '19. Dated Aug. 15, '19.  
On completion of work except cement coating .....\$170  
Completed and accepted ..... 243  
36 days after ..... 139

**TOTAL COST, \$552**

Bond, \$300. Sureties, Maryland Casualty Co. Forfeit, none. Limit, 60 days. Specifications only filed.

(1735) LATHING AND PLASTERING on above.  
Contractor—C. C. Morehouse, 872 Folsom, San Francisco.  
Filed Aug. 19, '19. Dated Aug. 14, '19.  
On completion ..... 75%  
36 days after ..... 25%

**TOTAL COST, \$1120**

Bond, \$600. Sureties, United States Fidelity & Guaranty Co. Forfeit, none. Limit, 20 days. Specifications only filed.

#### LOFTS AND OFFICES

(1736) E STOCKTON 49-6 N Sutter. Eight-story concrete lofts and offices.  
Owner—Heine Piano Co., 37 Stockton, San Francisco.  
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.  
Sub-contracts. **COST, \$35,000**  
Concrete frame up.

#### ALTERATION

(1737) NE STOCKTON & GEARY. Alteration and addition to store.  
Owner—City of Paris Dry Goods, Premises.  
Architect—Bakewell & Brown, 251 Kearny, San Francisco.  
Contractor—Geo. Wagner, 251 Kearny, San Francisco.  
**COST, \$50,000**

Note: Work started.

#### FLATS

(1738) W SIXTH 200 S Judah. Two-story and basement frame (2) flats.  
Owner—Fred Anderson, 2162 Market, San Francisco.  
Architect—C. O. Clausen, Hearst Bldg., San Francisco.  
Day's work. **COST, \$6000**

#### ALTERATIONS

(1739) NO. 319-21 SAN JOSE AVE. Minor alterations for flats.  
Owner—T. Gilbert, Premises.  
Architect—None.  
Contractor—John Bjorkman, 115 Seville, San Francisco.  
**COST, \$450**

#### ADDITION

(1740) SE CAROLINA and 2nd. Add one room to dwelling.  
Owner—Spring Valley Water Co., Sutter St., San Francisco.  
Architect—None.  
Contractor—Maas & McFahey, 565 Douglass, San Francisco.  
**COST, \$666**

#### STORE

(1741) N OCEAN 156-4 W Miramar. One-story frame store, 38x55.  
Owner—A. & C. S. Morbio, 729 Call Bldg., San Francisco.  
Architect—None.  
Contractor—Adolph Morbio, 744 Call Bldg., San Francisco.  
**COST, \$4000**

## ALTERATION

(1742) E FIFTH 80 S Market. Alter store front.  
Owner—Peninsula Rapid Transit Co., Burlingame, Cal.  
Architect—None.  
Contractor—Lange & Bergstrom, Sharon Bldg., San Francisco.  
COST, \$1000

(1743) NO. 520 LISBON. Raise dwelling, concrete foundation, etc.  
Owner—Marie Braun, Premises.  
Architect—None.  
Contractor—W. M. Flaherty, 3268 San Jose Ave., San Francisco.  
COST, \$475

## ALTERATION

(1744) NO. 237 LAKEVIEW. Alter and add for dwelling.  
Owner—Harry Langdon, 2991 2nd, San Francisco.  
Architect—None.  
Day's work. COST, \$500

## SIDEWALK

(1745) NW McALLISTER and Hyde N for a full width of present sidewalk of Hyde St. to pt. 105' distant therefrom. Concrete and cement work for sidewalk.  
Owner—Geo. G. Towle, Edwin T. Robie and Arthur N. Towle and Edna Newell.  
Architect—Matthew O'Brien, 68 Post St., San Francisco.  
Contractor—H. L. Petersen, Lick Bldg., San Francisco.  
Filed Aug. 20, '19. Dated Aug. 19, '19. Completed and accepted ..... 75%  
Usual 35 days ..... 25%

TOTAL COST, \$1300  
Bond, \$650. Sureties, H. A. Hagan and Jno B. Rusconi. Forfeit, \$10. Limit, 14 days. Plans and specifications filed.

## BUILDING

(1746) N SAN BRUNO AVE. between Felton and Burrows, No. 2546 San Bruno Ave. All work for two-story frame building.  
Owner—Harry Edelstein, 2520 San Bruno Ave., San Francisco.  
Architect—O. E. Evans, 2569 Mission, San Francisco.  
Contractor—Harry Abrahams, 134 Hale, San Francisco.  
Filed Aug. 20, '19. Dated Aug. 16, '19. Roof on ..... \$1500  
Plastering, rough plumbing, electric wiring complete..... 1500  
Completed ..... 1500  
Usual 35 days ..... 1500

TOTAL COST, \$6000  
Bond, \$3,000. Sureties, S. Zimmerman and G. Kapkin. Forfeit, none. Limit, Nov 28, 1919. Plans and specifications filed.

## ADDITION

(1747) E SECOND 127 S Harrison. One-story brick addition for loft.  
Owner—L. A. Giacobbi, 233 Post, San Francisco.  
Architect—Edw. G. Bolles, 233 Post, San Francisco.  
Contractor—P. J. Lechner, 417 Second, San Francisco.  
COST, \$9000

## ALTERATION

(1748) NO. 1715 POLK. General alteration for store.  
Owner—E. A. Deming, 332 Pine, San

Francisco.

Architect—None.  
Contractor—H. P. Hoyt Co., Monadnock Bldg., San Francisco.  
COST, \$5000

## ALTERATION

(1749) N MARKET 50 W. Mason. Alteration for store.  
Owner—Walter E. Dean, Kohl Bldg., San Francisco.  
Architect—None.  
Contractor—Arnold & Mabey, 121 5th, San Francisco.  
COST, \$3000

## ALTERATION

(1750) NO. 301-5 HOWARD. Waterproofing floors, painting, washing toilet rooms, etc.  
Owner—Magnus Fruit Products Co., 139 Fremont, San Francisco.  
Engineer—Leland S. Rosener, Insurance Ex. Bldg., San Francisco.  
Sub-contracts. COST, \$3500

## ALTERATION

(1751) NW CLAY and Powell. Alter front.  
Owner—Hotel Funston, Premises.  
Architect—None.  
Contractor—Hannah Bros., 142 Sansome, San Francisco.  
COST, \$500

## FOUNDATION

(1752) SE STEINER and Sutter. Brick foundation, Kompolite floor.  
Owner—Cox Estate, 58 Sutter, San Francisco.  
Architect—None.  
Contractor—L. M. Zimmerman, 180 Jessie, San Francisco.  
COST, \$400

(1753) AT JUNCTION OF FOURTH, Market and Stockton Sts. All work for cables, wood work, flowers, baskets, flags, streamers, painting, etc.,  
Owner—The Committee for the Reception of the President of the United States, the Navy and War Women Workers.  
Engineer—Otto F. Schiller, 57 Post, San Francisco.  
Contractor—Henry Vowinkel, 348-50 Hayes, San Francisco.

Filed Aug. 21, '19. Dated July 28, '19. 1st and 15th of each month..... 75%  
Usual 35 days ..... 25%

TOTAL COST, \$4750  
Bond, \$2375. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, September 1, 1919. No plans or specifications filed.

(1754) NORTH AND SOUTH SIDES of Market from W side Embarcadero to Civic Center. All work for poles, bunting, flags, ropes, tassels, wires, dyeing, painting, decorations.  
Owner—Same as above.  
Architect—Plans by Sub-Committee on Decorations.  
Contractor—Same as above.

Filed Aug. 21, '19. Dated Aug. 8, '19. On completion ..... \$3562.10  
TOTAL COST, \$3562.10  
Bond, \$1781. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, September 1, 1919. Plans and specifications filed.

## ADDITION

(1755) SE FULTON and Webster. Add for boiler house.  
Owner—California Brewing Associa-

tion, Premises.

Architect—James T. Ludlow, 604 Mission, San Francisco.  
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.  
COST, \$2400

## ALTERATION

(1756) NW O'FARRELL and Fillmore. Alter saloon for market.  
Owner—Samuel Hanson, lessee, care architect.  
Architect—G. A. Lunsburgh, 709 Mission, San Francisco.  
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.  
COST, \$3500

## AUTO SHOP

(1757) W MISSION 149 N 14th. One-story brick auto shop, 49x100.  
Owner—The Kern Co., 316 Bush, San Francisco.  
Architect—Edw. E. Young, 251 Kearny, San Francisco.  
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.  
COST, \$10,000

## ALTERATION

(1759) NO. 310-12 MONTGOMERY. Alter for offices.  
Owner—McCreery Estate Co., 532 Mills Bldg., San Francisco.  
Architect—Weeks & Day, Phelan Bldg., San Francisco.  
Contractor—G. E. Gilson, 180 Jessie, San Francisco.  
COST, \$3000

## EXCAVATION, ETC

(1760) NO. 2535 LAGUNA. Excavating, etc., for present building.  
Owner—Horace Sperry, Premises.  
Architect—J. S. Eulloch, Sharon Bldg., San Francisco.  
Contractor—W. C. Duncan & Son, Sharon Bldg., San Francisco.  
COST, \$3500

## DWELLING

(1761) NE ANZA and 15th. Two-story and basement frame dwelling.  
Owner—Mrs. A. Siebrecht, corner Ellis and Jones, San Francisco.  
Architect—None.  
Contractor—A. R. Lapham, 485 36th Ave., San Francisco.  
COST, \$11,000

## ALTERATION

(1762) NO. 221 Sansome. Alteration and changes for office.  
Owner—John C. Brickell, Lick Bldg., San Francisco.  
Architect—J. R. Miller, Lick Bldg., San Francisco.  
Contractor—A. D. Collman, 110 Jessie, San Francisco.  
COST, \$8200

## BUILDING

(1763) F BATTERY 45-10 S Green, 45-10x137-6. All work for a one-story and basement Class "C" building.  
Owner—Traung Label and Lithograph Co., 962 Battery, San Francisco.  
Architect—Geo. Rushforth, 354 Pine, San Francisco.  
Contractor—Alfred H. Vogt, 185 Stevenson, San Francisco.  
Filed Aug. 22, '19. Dated Aug. 18, '19. On 1st of each month ..... 75%  
Usual 35 days ..... 25%

TOTAL COST, \$24,328

Bond, \$12,164. Sureties, New Amsterdam Casualty Co. Forfeit, \$20. Limit, 75 days. Plans and specifications filed.

#### ALTERATIONS

(1764) S WASHINGTON 60 E Walnut. Alterations and additions for residence (frame).

Owner—Mrs. L. and Loring Pickering, 767 Market, San Francisco.

Architect—C. H. Barrett, Hotel Washington, San Francisco.

Day's work. COST, \$7000

#### DWELLING.

(1765) W LEE AVE. 225 N Grafton. One-story and basement frame dwelling.

Owner—McCarthy Co., 216 Bush, San Francisco.

Architect—None.

Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.

COST, \$2500

#### ALTERATION

(1766) NO. 118 EDDY. Alteration for store.

Owner—Mrs. Mary Prior, 282 San Jose Ave., San Francisco.

Architect—None.

Contractor—Swensen & Franzen, 145 Natoma, San Francisco.

COST, \$400

#### FITTINGS

(1767) NE SACRAMENTO and Liedesdorff, 54 on Liedesdorff and 30 on Sacramento. All work for fitting up restaurant.

Owner—Martin Tovaroz, 28 Liedesdorff Street.

Architect—Alfred Henry Jacobs, 110 Sutter, San Francisco.

Contractor—Home Mfg. Co., 543 Brannan, San Francisco.

Filed Aug. 22, '19. Dated Aug. 23, '19.

At completion ..... \$2000

35 days after ..... 700

60 days after ..... 500

90 days after ..... 500

25 days after ..... 600

TOTAL COST, \$4300

Bond, Sureties, none. Forfeit, \$10.

Limit, Sept. 22, 1919. Plans and specifications filed.

#### APARTMENTS

(1758) SW GOUGH and Sacramento 55x100. All work except plumbing, painting and steam heating for a four-story and basement brick apartment building.

Owner—The Lafayette Investment Co.

Architect—S. Heiman, 57 Post, San Francisco.

Contractor—Thos. A. Cavanaugh, 180 Jessie, San Francisco.

Filed Aug. 22, '19. Dated Aug. 22, '19.

Fist floor joists on ..... \$13,411.88

Roof boards on ..... 13,411.00

White coat of plaster on ..... 13,411.00

Completed and accepted ..... 13,414.50

Usual 35 days ..... 17,882.50

TOTAL COST, \$71,530

#### ADDITION

(1768) NO. 1699 HARRISON. Extended wagonshed (frame and corrugated iron).

Owner—McLaughlin Drayage Co., Premises.

Architect—None.

Contractor—Fennell & Chisholm, 180 Jessie, San Francisco.

COST, \$1000

#### SHED

(1769) DAVIDSON & NEWHALL.

One-story frame shed.

Owner—Royal Soap Co., Premises.

Architect—None.

Contractor—John Diestel, 248 Russ Bldg, San Francisco.

COST, \$980

#### REPAIRS

(1770) NO. 1105-07 FRANKLIN. Repair fire damage.

Owner—I. S. Poorman, San Mateo, Cal

Architect—None.

Contractor—Chas. E. Urfer, 134 Halleck, San Francisco.

COST, \$435

#### DWELLING

(1771) S LAKEVIEW 25 E Margaret. One-story and basement frame dwelling, 21x40.

Owner—H. Langdon, 237 Lakeview, San Francisco.

Architect—None.

Day's work. COST, \$500

#### ALTERATION

(1772) NO. 982 Market. Alteration for restaurant.

Owner—Geo. C. Condon, Premises.

Architect—None.

Contractor—Brutcher & Serna, 180 Jessie, San Francisco.

COST, \$400

#### ALTER AND ADD.

(1773) NO. 3520 TWENTY-THIRD. Alter and add for dwelling.

Owner—Tagliani and Benvenuti.

Architect—None.

Contractor—L. Pastorini, 15 Carr St., San Francisco.

COST, \$700

#### ALTERATION

(1774) NO. 50 VARENNES. Change stairs and install bath.

Owner—V. Germano, Premises.

Architect—None.

Contractor—F. C. Amoroso, 1336 Kearny, San Francisco.

COST, \$600

#### REPAIRS

(1775) NO. 634 BAKER. Repair fire damage (dwelling).

Owner—Estate C. H. Rosenthal, Berkeley Bank of Savings and Trust Co., Berkeley, Cal.

Architect—None.

Contractor—Harvey Grant, 2075 Center St., Berkeley.

COST, \$575

#### ALTERATION

(1776) NO. 1904 BROADWAY. Alter for basement garage.

Owner—Seth F. Alden, Premises.

Architect—None.

Day's work. COST, \$400

#### ALTER AND ADD

(1777) NO. 3340 MISSION. Alter and add for dwelling.

Owner—John McTigue, Premises.

Architect—None.

Day's work. COST, \$400

#### ELECTRIC WORK

(1778) S POST 87-6 E Larkin E 100x S 137-6. Electric work for a one-story, mezzanine and basement reinforced concrete building.

Owner—Jacob Gietzen, 3312 Mission, San Francisco.

Architect—W. H. Crim, Jr., 425 Kearny, San Francisco.

Contractor—H. S. Tittle, 245 Minna, San Francisco.

Filed Aug. 23, '19. Dated Aug. 8, '19.

On 1st and 15th of each month. 75%

Usual 35 days ..... 25%

TOTAL COST, \$1596

Bond, \$800. Sureties, New Amsterdam Casualty Co. Forfeit, \$20. Limit, 10 days after receiving notice. Plans and specifications filed.

(1779) SQUARE CORRUGATED RE-inforcing steel bars on above.

Filed Aug. 23, '19. Dated Aug. 14, '19.

Contractor—Edw. L. Soule Co., Rialto Bldg., San Francisco.

TOTAL COST, \$2085

Bond, Sureties, Forfeit, none. Limit, delivery to be made 30 days from date. Plans and specifications filed.

#### OFFICE BLDG.

(1780) N CALIFORNIA 43-6 E Front E 44 N 94 W 87-6 S 26 E 43-6. All work for a three-story office Bldg.

Owner—Geo. E. Billings, 412 California, San Francisco.

Architect—W. H. Ratcliff, Jr., 1st National Bank Bldg., Berkeley.

Contractor—Walter Sorenson, 3219 Ellis St., Berkeley.

Filed Aug. 23, '19. Dated Aug. 20, '19.

As' work progresses ..... 75%

Usual 35 days ..... 25%

TOTAL COST, \$62,949

Bond, \$31,474.50. Sureties Maryland Casualty Co. Forfeit, none Limit, 100 days. Plans and specifications filed.

#### FIXTURE WORK

(1781) NO. 268 POST ST. All work except painting and glass for fixture work for store.

Owner—S. & G. Gump Co., Premises.

Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.

Contractor—Wm. Bateman, 1913 Bryant, San Francisco.

Filed Aug. 23, '19. Dated Aug. 20, '19.

Completed and accepted ..... \$5000

Usual 35 days ..... 1150

TOTAL COST, \$6150

Bond, Sureties, Forfeit none. Limit, 6 weeks. Plans and specifications filed.

### COMPLETION NOTICES.

#### San Francisco County.

RECORDED	ACCEPTED
.....	July 28, 1919
Aug. 20, 1919—W MARKET and Eddy, No. 902 Market St. Milton Jonas to Fink & Schneider.	.....
.....	Aug. 15, 1919
Aug. 20, 1919—SE PALOU AVE. Ingalls, 25x100. Wm. H. Grahn to whom it may concern.	.....
.....	Aug. 4, 1919
Aug. 20, 1919—S E PALOU AVE. 100 E Ingalls, 25x100. Henry J. York to Wm. H. Grahn.	.....
.....	July 24, 1919
Aug. 20, 1919—S UNION 60 E Baker E 52-6xS 87-6. Wm. W. Rednall to whom it may concern.	.....
.....	Aug. 19, 1919
Aug. 19, 1919—NO. 430 CALIFORNIA St. The National City Co. of Cal. to Barrett & Hill.	Aug. 16, 1919
Aug. 22, 1919—LOTS 6, 8, 10 BLK 3165, Westwood Park. Hans Nelson to Nelson Bros.	Aug. 21, 1919
Aug. 22, 1919—NW EIGHTEENTH and San Bruno Ave. W 72x N 37-6. Martin Judnich to Isaac Penny.	Aug. 8, 1919

Aug. 22, 1919—W ASHBURY 65 N  
Grove Nos. 45 and 47 Ashbury.  
A. P. Dunphy to W. L. Hemmenga  
Aug. 20, 1919  
Aug. 21, 1919—N VALLEJO 67-6 W  
Buchanan W 32-6xS 137-6. S. L.  
Abbott to W. C. Duncan & Co.....  
Aug. 20, 1919  
Aug. 22, 1919—SW TWENTY-  
FIRST St. and Treat Ave. S 60xW  
24-6. Catherine C. Bannan to  
Mager Bros. .... Aug. 22, 1919

## BUILDING CONTRACTS

## Alameda County.

The following is an index for the  
contracts for this issue:

No.	Owner	Contractor	Am't.
1791	Speyer	Graff	8300
1792	Marshall	Owner	400
1793	Western Paper	Cords	850
1794	Dufaw	Moore	500
1795	Byron	Jones	4705
1796	Graves	Owner	2000
1797	Dyer	King	2000
1798	Lester	Owner	2700
1799	Pfrang	Owner	3950
1800	Spuchek	Reynolds	500
1801	McCline	Newsom	3900
1802	Ruegg	Owner	1000
1803	Remillard Br.	Herman	450
1804	Pierrie	Rich	1200
1805	Cecil	Owner	400
1806	Blander	Bangs	600
1807	Collins	MacGregor	400
1808	Osterhoff	Owner	600
1809	Rlty Syn	Baccus	3398
1810	Rlty Syn	Picard	510
1811	Sebbens	Lydskens	456
1812	Campbell	Pied. Eled.	.....
1813	MacDonald	Morris	11000
1814	Stenbro	Owner	2500
1815	Waterfront	Sash Pratt	8700
1816	Davis	Owner	5750
1817	Hoppers	Bay City	1000
1818	Corder	Jackson	500
1819	Pac. Sales	Owner	400
1820	Fetter	Schneblly	400
1821	Delamothe	Inlaid Fir	400
1822	Fageal	Owner	1506
1823	Millis	Owner	900
1824	Avila	Bates	8000
1825	Kidd	Pinkerton	7350
1826	Dull	Scammon	3200
1827	Noble	Owner	3000
1828	Noble	Owner	2500
1829	Noble	Owner	2600
1830	Nelson	Fritz	400
1831	Dow	Scott	700
1832	Howard	Pennycrook	9999
1833	Maasberg	Owner	3000
1834	Maasberg	Owner	3000
1835	Lundholm	Owner	2800
1836	Sather	Nelson	2800
1837	Crouch	Owner	750
1838	Carey	Owner	600
1839	Tong	Fernandez	400
1840	Enquirer	Shrader	400
1841	Gilfeather	Harris	400
1842	Wood	Scott	2500
1843	Sohlman	Owner	400
1844	Lundy	MacMillan	3500
1845	Bell	Grainger	4100
1846	Lange	Owner	4000
1847	Hawn	Coward	6000
1848	Hudson	Owner	5000
1849	Wiester	Williams	2800
1850	Kern	Owner	5800
1851	Leach	Muller	9305
1852	Cal. Mem. Hsp'tl.	O	750
1853	Moyer	Rotary	400
1854	Union Constr.	Owner	1375
1855	Union Constr.	Owner	7235

1856 Union Constr. Owner 900  
1857 Union Constr. Owner 1675  
1858 Sjostrom Foss 400  
1859 Mandler Scott 1950

(1791) E EUCLID AVE. 300 N Van  
Buren, Oakland. One-story 5-  
room dwelling.  
Owner—J. W. Speyer, 1926 Broadway,  
Oakland.  
Architect—None.  
Contractor—Edwin C. Graff, 1926  
Broadway, Oakland.  
COST, \$8300

(1792) NO. 1392 E TWENTY-  
eighth St., Oakland. Alterations.  
Owner—Mella and C. H. Marshall,  
Premises.  
Architect—None.  
Contractor—C. H. Marshall, Prem.  
COST, \$400

(1793) S FIFTH ST. 100 W Adeline,  
Oakland. Garage.  
Owner—Western Paper Box Co.,  
Premises.  
Architect—None.  
Contractor—Alfred Cords.  
COST, \$850

(1794) NO. 5714 GASKILL, Oakland.  
Alteration.  
Owner—Maria Dufaw, Premises.  
Architect—None.  
Contractor—C. T. Moore, 446 38th St.,  
Oakland.  
? COST, \$500

(1795) N CARLTON, 113 W 7th, Ber-  
keley. Improvements.  
Owner—Byron Jackson Iron Works,  
Carlton Station, W. Berkeley.  
Architect—Robert Schorr.  
Contractor—W. P. Jones, 2218 Los  
Angeles Ave., Berkeley.  
Filed Aug. 18, '19. Dated Aug. 12, '19.  
1st and 15th each month ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$4705  
Bond, Sureties, Forfeit, none. Limit,  
45 days. No plans or specifications  
filed.

(1796) S MERA 130 E 40th Ave.,  
Oakland. One-story 5-room dwell-  
ing.  
Owner—H. D. Graves, 4121 Foothill  
Blvd., Oakland.  
Architect—None.  
Day's work COST, \$2000

(1797) N HOPKINS 80 W Maybelle  
Ave., Oakland. One-story, 4-room  
dwelling.  
Owner—Mrs. Mary E. Dyer, 111 Lake  
Ave., Piedmont.  
Architect—None.  
Contractor—W. A. King, 111 Lake  
Ave., Piedmont.  
COST, \$2000

(1798) N FOOTHILL BLVD. 90 E  
41st Ave., Oakland. One-story six-  
room dwelling.  
Owner—George C. Lester, 1938 50th  
Ave., Oakland.  
Architect—None.  
Day's work COST, \$2700

(1799) E MILES AVE. 100 N Forest,  
Oakland. One and one-half story  
5-room dwelling.  
Owner—C. J. Pfrang, Forest and  
Mills, Oakland.  
Architect—None.  
Day's work COST, \$2950

(1800) NO. 2144 UNIVERSITY Ave.,  
Berkeley. Alteration.  
Owner—H. P. Spuchek.  
Architect—None.  
Contractor—H. Reynolds.  
COST, \$500

(1801) N E-TWENTIETH St. 282 E  
5th Ave., Oakland. Two-story 4-  
room dwelling.  
Owner—Donald McCline, 606 E-20th,  
Oakland.  
Architect—None.  
Contractor—Noble Newsom, Thousand  
Oaks, Berkeley.  
COST, \$3900

(1802) SW E-FOURTEENTH and  
55th Ave., Oakland. One-story of-  
fice.  
Owner—Ruegg Construction Co., 710  
Pacific Bldg., San Francisco.  
Architect—None.  
Day's work COST, \$1000

(1803) NO. 564-68 EIGHTEENTH ST.,  
Oakland. Alteration.  
Owner—Remillard Brick Co., Phelan  
Bldg., San Francisco.  
Architect—None.  
Contractor—O. H. Herman, 564 18th,  
Oakland.

(1804) SE EIGHTH & CASTRO,  
Oakland. Alteration.  
Owner—M. Pierrie, Premises.  
Architect—None.  
Contractor—James L. Rich, 947 42nd,  
Oakland.  
COST, \$1200

GARAGE  
(1805) NO. 6658-60 DANA, Oakland.  
Garage.  
Owner—Cecil & Muller, Premises.  
Architect—None.  
Day's work COST, \$400

(1806) NO. 1077 ONE HUNDRED &  
SIXTH AVE., Oakland. Alteration.  
Owner—G. Blander, 950 5th St., Oak-  
land.  
Architect—None.  
Contractor—H. Bangs, 2323 E-16th St.,  
Oakland.  
COST, \$600

(1807) NO. 227 ORANGE ST., Oak-  
land. Addition.  
Owner—R S Collins, Premises.  
Architect—None.  
Contractor—J. R. MacGregor, 731 60th  
St., Oakland.  
COST, \$400

(1808) E SEVENTY-FIFTH AVE, 300  
N Carleton, Oakland. One-story 4-  
room dwelling.  
Owner—Fred Osterhoff, 573 23rd St.,  
Oakland.  
Architect—None.  
Day's work COST, \$600

(1809) NE ELEVENTH and Webster,  
Oakland. Brick work for one-story  
Class "C" office.  
Owner—Realty Syndicate Co., Syn-  
dicate Bldg., Oakland.  
Architect—Hamilton Murdock, Syndi-  
cate Bldg., Oakland.  
Contractor—W. J. Baccus, 565 16th,  
Oakland.  
Filed Aug. 19, '19. Dated Aug. 15, '19.  
Walls up to girders ..... \$1132  
Completed and accepted ..... 1133  
Usual 35 days ..... 1133  
TOTAL COST, \$3398  
Bond, Sureties, Forfeit, none. Limit,

as soon as possible. Plans and specifications filed.

# (1810) PLUMBING ON ABOVE.

Contractor—W. H. Picard, 477 Hardy, Oakland.

Filed Aug. 19, '19. Dated Aug. 15, '19.  
Roughed in ..... \$170  
Completed and accepted ..... 170  
Usual 35 days ..... 170

TOTAL COST, \$510

Bond, Sureties, Forfeit, none. Limit, as soon as possible. Plans and specifications filed.

(1811) SE E-TWELFTH ST. and 33rd Ave., Oakland. All work for two-story flat and store building. Owner—Jesse and Marie Sebbens, Albany.

Architect—None.

Contractor—Geo. H. Lydixsen, 1244 29th Ave., Oakland.

Filed Aug. 19, '19. Dated July 26, '19.  
Frame up ..... 74  
Plastered ..... 74  
Completed ..... 74  
Usual 35 days ..... 74

TOTAL COST, \$456

Bond, Sureties, Forfeit, none. Limit, 90 days after July 30. Plans and specifications filed.

(1812) CLAY ST., between 14th and 15th streets, Oakland. All work to install Cash Register Company's Electric Credit System.

Owner—H. C. Capwell Co., Premises. Architect—None.

Contractor—Lee B. Gilpin (Piedmont Electric Co.)

Filed Aug. 20, '19. Dated Aug. 11, '19.  
Completed and accepted ..... 1/2  
Usual 35 days ..... 1/2

COST, Cost plus 20%

Bond, \$4,000. Surety, National Surety Co. Forfeit, none. Limit, none. No plans or specifications.

(1813) E EMERALD 196 N 41st, Oakland. Two-story 18-room apartments.

Owner—MacDonald & Wolfe, 4015 Syndicate Bldg., Oakland.

Architect—None.

Contractor—Solomon Morris, 326 24th Oakland.

COST, \$11,000

(1814) N E E-THIRTY-SEVENTH and Randolph avenue, Oakland. One story 5-room dwelling.

Owner—A. Stenbro, 2122 Vicksburg Ave., Oakland.

Architect—None.

Contractor—H. S. Pratt, 4605 El Centro Ave., Oakland.

COST, \$2,500

(1815) S SUTTER, 115, 185 and 290 W High, Oakland. Three one-story 5-room dwellings.

Owner—Waterfront Sash & Door Co., 2nd and Alice Sts., Oakland.

Architect—None.

Contractor—H. S. Pratt, 4605 El Centro Ave., Oakland.

COST (each) \$2,900

(1816) N BONA 425 W Peralta Ave., Oakland. One-story 6-room dwelling.

Architect—None.

Day's work.

COST, \$3,750

(1817) N TWELFTH 20 W Broadway, Oakland. Alteration.

Owner—M. Hopkins,

Architect—None,

Contractor—Bay City Cabinet Co., 1080 5th, Oakland.

COST, \$1,000

(1818) NO. 519-21 THIRTEENTH, Oakland. Sidewalk doors.

Owner—T. W. Corder, Inc.

Architect—None.

Contractor—P. H. Jackson & Co., 237-47, 1st, San Francisco.

COST, \$500

(1819) NO. 1812 SAN PABLO AVE., Oakland. Alteration.

Owner—Pacific Sales Co., Premises.

Architect—None.

Day's work.

COST, \$400

(1820) NO. 753 WARFIELD AVE., Oakland. Garage.

Owner—Ernest Fetter, Premises

Architect—None.

Contractor—Schnebly & Hostrawser, 6th and Jackson, Oakland.

COST, \$400

(1821) NO. 746-48 FIFTY-EIGHTH, Oakland. Alteration.

Owner—G. Delamothe, 734 Telegraph Ave., Oakland.

Architect—None.

Contractor—Inlaid Floor Co., 4067 Watts St, Emeryville.

COST, \$400

(1822) ONE HUNDRED AND SEVENTH AVE. and Hollywood Blvd. Oakland. Addition.

(1822) Fageol Motors Co.

Architect—None.

Day's work.

COST, \$1,500

(1823) MILLS COLLEGE. Add and hot house.

Architect—None.

Day's work.

COST, \$900

(1824) NE E-FOURTEENTH and 98th Ave., Oakland. One-story concrete garage.

Owner—Avila & Lopez, 9846 B St., Oakland.

Architect—None.

Contractor—Bates & Browne, 1520 1st Ave., Oakland.

COST, \$8,000

(1825) N HEARST AVE., 270, 230, and 200 W California, Berkeley.

Three one-story 5-room dwellings.

Owner—John and Ronald Kidd.

Architect—None.

Contractor—J. A. Pinkerton, 1931 Berryman, Berkeley

COST (each) \$2,450

(1826) 2111 WOOLSEY, Berkeley. One-story 5-room dwelling.

Owner—C. Duel, 2017 Woolsey, Berkeley.

Architect—None.

Contractor—C. F. Scammon, 2070 University Ave., Berkeley.

COST, \$3,200

(1827) NO. 2700 SAN JOSE AVE., Alameda. One-story 6-room dwelling.

Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.

Architect—None.

Day's work.

COST, \$3,000

(1828) NO. 2721 WASHINGTON ST., Alameda. One-story 5-room dwelling.

Ave., Alameda,

Owner—G. H. Noble, 2205 Santa Clara Architect—None.

Day's work.

COST, \$2,500

(1829) NO. 1113 VERSAILLES AVE., Alameda. One-story 6-room frame dwelling.

Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.

Architect—None.

Day's work.

COST, \$2,600

(1830) NO. 1301 PEARL ST., Oakland. Alteration.

Owner—Mrs. H. Nelson, Stuart St., Berkeley.

Architect—None.

Contractor—D. H. Fritz, 422 61st St., Oakland.

COST, \$400

(1821) OAK ST AND CLEMENT Ave., Alameda. Addition.

Owner—Dow Pump Works, Premises.

Architect—None.

Contractor—G. H. Scott, 685 23rd St., Oakland.

COST, \$700

(1832) E SHATTUCK AVE., 45, 85 and 125 S 59th St., Oakland. Three one-story 5-room dwellings.

Owner—C. W. Howard, Hotel Crail.

Architect—None.

Contractor—Pennycok & Casha, 1125 Oak St.

COST (each), \$3,333

(1833) SW HAMPEL and Woodruff, Oakland. One-story 7-room dwelling.

Owner—E. Maasberg, 3915 Greenwood Ave., Oakland.

Architect—None.

Day's work.

COST, \$3,000

(1834) S HAMPEL 45 W Woodruff, Oakland. One-story 7-room dwelling.

Owner—E. Maasberg, 3915 Greenwood Ave., Oakland.

Architect—None.

Day's work.

COST, \$3,000

(1835) W 58TH AVE. 389 S E-14th St., Oakland. One and one-half-story 6-room dwelling.

Owner—John M. Lundholm, 1717 Wood St., Oakland.

Architect—None.

Day's work.

COST, \$2,800

(1836) W 18TH AVE. 70 N E-20th St., Oakland. One-story 5-room dwelling.

Owner—T. P. Sather, 2307 Broadway, Oakland.

Architect—None.

Contractor—C T. Nelson, 920 Clay St., Oakland.

COST, \$2,800

(1837) N REDDING 150 E Loma Vista. One-story 4-room dwelling.

Owner—F. J. Crouch, 1338 Virginia, Oakland.

Architect—None.

Day's work.

COST, \$750

(1838) NO. 12 WARREN, Oakland. Alteration.

Owner—John Carey, Premises.

Architect—None.

Day's work.

COST, \$600

(1839) NO. 717 SEVENTH, Oakland.  
Alteration.  
Owner—Lee Tong, Premises.  
Architect—None.  
Contractor—M Fernandes, 948 E-11th  
street, Oakland.  
COST, \$400

(1840) SIXTEENTH & SAN PABLO.  
Oakland. Alteration.  
Architect—None.  
Contractor—J. F. Shrader, 520 16th,  
Oakland.  
COST, \$400

(1841) NO. 692 39TH ST., Oakland.  
Addition.  
Owner—J. A. Gilfeather, Premises.  
Architect—None.  
Contractor—D. F. Harris, 1303 Car-  
rison, Berkeley.  
COST, \$400

(1842) NO. 1 PLAZA DRIVE, Berke-  
ley. Alter and add to 2-story 8-  
room dwelling.  
Owner—W. S. Wood, Premises.  
Architect—None.  
Contractor—G A Scott, 685 23rd, Ber-  
keley  
COST, \$2500

(1843) NO 937 GRAYSON, Berkeley.  
Addition.  
Owner—David Sohlman, Premises.  
Architect—None.  
Day's work.  
COST, \$400

(1844) SE FRUITVALE and Boule-  
vard, Oakland. Addition (offices  
over stores).  
Owner—William T. Lundy.  
Architect—None.  
Contractor—D. C. MacMillan, 604 28th  
St., Oakland.  
COST, \$3500

(1845) E CORONADO AVE. 120 N  
51st St., Oakland. One-story six-  
room dwelling.  
Owner—Jessie L. Bell, Como Apts.,  
Oakland.  
Architect—None.  
Contractor—Grainger & Nelson, 537  
66th St., Oakland.  
COST, \$4100

(1846) W CAPELL 50 S Prospect  
Ave., Oakland. One and one-half  
story 5-room dwelling.  
Owner—W. B. Lange, 117 E-16th St.,  
Oakland.  
Architect—None.  
Day's work.  
COST, \$4000

(1847) W HEARN 140 S Chabot  
Road, Oakland. One and one-half  
story 9-room dwelling.  
Owner—Mrs. W. H. Hawn.  
Architect—None.  
Contractor—Joseph Coward, 6081  
Claremont Ave., Oakland.  
COST, \$6000

(1848) SW E-38TH ST. and Evers  
Ave., Oakland. Two-story 10-room  
flats.  
Owner—L. G. Hudson, 3458 Fruitvale  
Ave., Oakland.  
Architect—None.  
Day's work.  
COST, \$5000

(1849) E DOHR 125 S Oregon, Ber-  
keley. One-story 4-room dwelling.  
Owner—W. C. Wiester, 643 54th St.,  
Oakland.  
Architect—None.

Contractor—Chas. C. Williams, 503  
Syndicate Bldg., Oakland.  
COST, \$2800

(1850) E LOS ANGELES & SHAT-  
tuck, Berkeley. Two-story 8-room  
dwelling.  
Owner—Herbert F. Kern, 965 Indian  
Rock Ave., Berkeley.  
Architect—None.  
Day's work.  
COST, \$5800

(1851) W PIEDMONT AVE. 300 E  
Broadway, Oakland. All work for  
one-story and mezzanine, brick and  
concrete machine shop, except con-  
crete work.  
Owner—L. E. Leach, Oakland.  
Architect—Charles W. McCall, Cen-  
tral Bank Bldg., Oakland.  
Contractor—F. A. Muller, Syndicate  
Bldg., Oakland.  
Filed Aug. 22, '19. Dated Aug. 16, '19.

Side walls completed ..... 1/4  
Roofing completed ..... 1/4  
Completed and accepted ..... 1/4  
When all bills paid ..... 1/4  
TOTAL COST, \$9,305.60  
Bond, Sureties, none. Forfeit, \$5. Lim-  
it, 50 days. Plans and specifications  
filed.

(1852) N OF FRUITVALE AVE, Oak-  
land. One-story 3-room office.  
Owner—California Memorial Hospital,  
Monadnock Bldg., San Francisco.  
Architect—Carl Werner, Phelan Bldg.,  
San Francisco.  
Day's work  
COST, \$750  
OIL BURNER  
(1853) E LAKESHORE AVE. 55 S  
Lake Park, Oakland. Oil burner.  
Owner—J. J. Moyer, 2731 Harrison,  
Oakland.  
Architect—None.  
Contractor—Rotary Oil Burner Co.,  
159 12th St., Oakland.  
COST, \$400

(1854) KEY ROUTE BASIN. One-  
story garage.  
Owner—Union Constr. Co., Premises.  
Architect—None.  
Day's work.  
COST, \$1375

(1755) KEY ROUTE BASIN. Two-  
story joiner shop.  
Owner—Union Constr. Co., Premises.  
Architect—none.  
Day's work.  
COST, \$7,225

(1756) KEY ROUTE BASIN. One-  
story welding shop.  
Owner—Union Constr. Co., Premises.  
Architect—none.  
Day's work.  
COST, \$900

(1857) KEY ROUTE BASIN. One-  
story lavatory.  
Owner—Union Constr. Co., Premises.  
Architect—none.  
Day's work  
COST, \$1675

(1858) NO. 584 THIRTY-FOURTH  
St., Oakland. Alteration.  
Owner—O. J. Sjostrom, San Francisco.  
Architect—none.  
Contractor—C. C. Foss, 1849 Park  
Blvd., Oakland.  
COST, \$400

(1859) NO. 564 THIRTY-FIRST St.,  
Oakland. One-story warehouse.  
Owner—Mandler Catering Co., 13th  
and Madison, Oakland,  
Architect—none.

Contractor—Geo. A. Scott, 685 23rd  
St., Oakland.  
COST, \$1950

## COMPLETION NOTICES.

## Alameda County.

Aug. 20, 1919—PT. 146.60 N inter-  
section N Hawthorne St. and W.  
Broadway N 41.40, W 115 S 43.30  
E 115.30, Oakland. John H. Barry  
to F. A. Muller ..... Aug. 18, 1919  
Aug. 16, 1919—E BONITA AV about  
100 S Rose 33-4x135, Bkly. Louis  
O Hansson to whom it may con-  
cern ..... Aug. 8, 1919  
Aug. 18, 1919—LQT 5, BLK 26, Fair-  
mount Park, Albany. J. A. Pin-  
kerton to whom it may concern .....  
Aug. 18, 1919  
Aug. 18, 1919—NW SIXTY-NINTH  
Ave. 65 NE Hamilton, Oakland.  
NE 35x6W 100. John H. Bolton  
and Frederick J. Burnett to  
George D. Stratton and William  
Vicks ..... Aug. 16, 1919

## BUILDING CONTRACTS.

## Santa Clara County.

## FILLING AND EXCAVATING

RACE ST., SAN JOSE. All work for  
the filling and excavating for two-  
story reinforced concrete factory  
building.  
Owner—S. J. Spoelstea, San Jose.  
Architect—Binder & Curtis, 257 S.  
1st St., San Jose.  
Contractor—Raisch Improvement Co.,  
15 Auzeais Bldg., San Jose.  
Filed Aug. 14, '19. Dated Aug. 13, '19.  
Completed ..... \$1612.50  
Usual 35 days ..... 537.50  
TOTAL COST, \$2150  
Bond, \$1075. Sureties, Jas H. Quinby  
and R. O. Summers. Forfeit, none.  
Limit, 10 days for filling, other work  
no limit. Plans and specifications  
filed.

## SERVICE STATIONS

SEVENTH AND MONTEREY, STS.,  
Gilroy; 3rd and El Camino Real,  
San Mateo; San Francisco-San Jose  
county road and Saratoga-Moun-  
tain View road, Sunnyvale. All  
work for 3 steel service stations.  
Owner—Associated Oil Co., Sharon  
Bldg., San Francisco.  
Architect—None.  
Contractor—W. C. Duncan and A. F.  
Matlock under the firm name of  
W. C. Duncan & Co., Sharon Bldg.  
San Francisco.  
Filed Aug. 15, '19. Dated July 31, '19.  
Station finished ..... 75%  
Usual 35 days ..... 25%  
San Mateo ..... \$2325  
Sunnyvale ..... 2224  
Gilroy ..... 1943  
TOTAL COST, \$6492  
Bond, \$6500. Sureties, The Aetna  
Casualty and Surety Co. Forfeit, Lim-  
it, none. Plans and specifications  
filed.

## LIENS FILED.

## Fresno County.

Recorded Amount  
Aug. 13, 1919—LOT 11 Fink Cl in  
Sec. 4, 15-23, Fresno. O F Camp-  
bell vs S Miyamoto ..... \$114

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock Doors, Sash Frames and Mouldings.

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLICH  
AROMATIC RED CEDAR  
CITRONWOOD-SUN-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPE  
CREEN MAPLE-RAIN OAK  
QUARTERED OAK-  
WYBROCK BENDING OAK  
POPLAR-WALNUT



BOXWOOD-EBURY-IRONBARK  
JERSEY-OAK-SWAMP CEDAR  
LIGNUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SPRITED GUM-FICUS-MAHOG  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
CORBELS-TREENAILS VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUIT Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

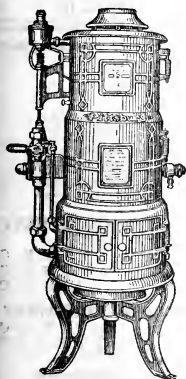
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., September 3, 1919

Published Every Wednesday 36  
Nineteenth Year, No. 4



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

## The Technical Engineers' Service Organization.

### Officers.

President—Dr. F. H. Newell, University of Illinois, Urbana, Ill.  
 First Vice-President—W. W. DeBerard, Western Editor Engineering News-Record, Chicago.  
 Second Vice-President—T. A. Evans, Structural Engineer, Meade-Morrison Co., Chicago.  
 Treasurer—John Ericson, City Engineer, Chicago.  
 Secretary—C. E. Drayer.

### Directors.

W. H. Finley, President, C. & N. W. Ry., Chicago, Ill., Past President.  
 W. W. K. Sparrow, Chief Engineer C. M. & St. P. Ry., Chicago.  
 P. E. Harroun, Consulting Engineer, San Francisco, Calif.  
 R. Burnham, Consulting Engineer, Chicago, Ill.  
 F. D. Richards, Bridge Engineer, City of Cleveland.  
 A. A. Matthews, Chief Engineer St. L. S. W. R. R., Tyler, Texas.  
 E. F. Collins, Valuation Engineer St. L. S. F. Ry., St. Louis.  
 C. H. Crawford, Baldwin Locomotive Works, Philadelphia.  
 Harold Alvert, Consulting Engineer, Chicago.  
 J. K. Bennett, Principle Assistant Engineer M. & St. L. Ry., Minneapolis.  
 J. H. Prior, Consulting Engineer, Chicago.  
 Alexander Potter, Civil Engineer, New York City.  
 J. N. Hatch, Consulting Engineer, Chicago.

## NATIONAL HEADQUARTERS

29 S. La Salle St.

Chicago, Ill.

### San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. F. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co. ....	THIRD VICE-PRESIDENT

#### EXECUTIVE COMMITTEE

J. H. Knowles ..... W. P. R. R.  
 L. D. Howland ..... C. C. Moore Co.  
 J. F. Johnston ..... Union Const. Co.  
 I. G. Grundel ..... Union Oil Co.

#### AUDITING COMMITTEE

T. H. Brown ..... S. P. R. R.  
 E. B. Crane ..... C. M. & P. S. Ry.  
 P. J. Rowell ..... I. C. C.

#### COMPENSATION COMMITTEE.

G. M. Nelson.....Consulting Engineer  
 E. V. Vandercook ..... S. P. R. R.  
 W. T. Cleland .....  
 Chief Dep. Surveyor Santa Clara Co.  
 V. D. Cousins.....P. T. & T. Co.

#### FELLOWSHIP COMMITTEE

W. H. Rupp ..... S. P. R. R.  
**EMPLOYMENT REPRESENTATIVE.**  
 F. J. Amweg ..... Consulting Engineer.

#### MEMBERSHIP COMMITTEE.

D. L. Reynolds.....Pacific Fruit Ex. Co.  
 F. J. Amweg ..... Consulting Engineer  
 W. H. Rupp.....Southern Pacific R. R.  
 E. D. Brown.....Redwood Mfrs. Co.  
 Clarence D. Stone ..... S. P. Co.  
 A. B. Hartley ..... S. P. Co.  
 H. W. Shrieber.....City of Oakland  
 F. E. Geibel ..... S. P. Co.  
 C. B. Newbury.....Interstate Com. Com.  
 J. F. Johnston ..... Union Const. Co.  
 E. V. Vandercook ..... S. P. Co.

#### INTER-CHAPTER ADJUSTMENT COMMITTEE.

A. G. Mott ..... S. P. Co.  
 O. R. West ..... A. T. & S. F. Co.  
 W. S. Wollner ..... N. W. P. Co.

#### QUALIFICATION COMMITTEE

W. H. Phelps ..... S. P. Co.  
 O. R. West ..... A. T. & S. F. R. R.

#### PUBLICITY COMMITTEE

E. D. Brown.....Redwood Mfrs. Co.  
 G. M. Nelson.....Consulting Engineer

#### POLITICAL COMMITTEE

E. H. Herbert ..... Oliver Mfg. Co.

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.  
 Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

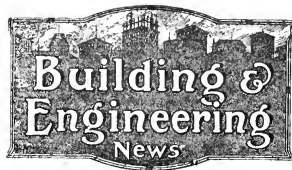
*San Francisco Chapter Office, 700 Marston Bldg.*

A. G. Mott, Secretary

244 Kearny St., S. F.

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.



ISSUED EVERY WEDNESDAY.

L. A. LARSEN,  
Publisher and Proprietor.

J. P. FARRELL, ..... Exchange Editor

Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
500 Mission Street.  
Telephone—Douglas 2372.

# American Association of Engineers

## DR. F. H. NEWELL IN SAN FRANCISCO.

The Engineers' Club of San Francisco had extended an invitation to Dr. Newell to give a talk before their membership at the luncheon on the 26th of August, and the doctor's address was well received and warmly applauded. He touched largely on the aims and objects and the ways and means of the A. A. E.

Dr. Newell also spoke to a large audience of engineers and their wives at a meeting held under the auspices of the S. F. Chapter of the A. A. E. in the Commercial Club. His topic was the engineer in modern life, his needs and ideals, and in his characteristic calm and lucid manner, Dr. Newell laid before his hearers the practical necessity for organization among engineers and the manner in which the A. A. E. is trying to fulfill this task. His remarks were followed with close attention, and several speakers responded to the invitation of Chapter President Knowles to express themselves on the subject and ask any questions. The meeting was a decided success, and all the A. A. E. literature displayed in the hall disappeared in no time, the visiting engineers all being eager to get all the information on the subject that was obtainable.

Dr. Newell's visit to San Francisco did great things for the A. A. E. here in this locality, and our growth will show the results in a steady climbing curve of applications. We all hope to see Dr. Newell very soon again and be able to hear his interesting talk on a subject which lays very close to his heart and about which he could talk for hours without tiring.

## "BOND ISSUES."

### Their Use and Misuse.

By George M. Nelson, Consulting Engineer, S. F.

Modern engineering construction work, be it large or small, private or public, is nowadays financed almost exclusively through bond issues and the engineer is often called upon to

make decisions in connection herewith which are of the utmost importance to both the engineering profession and the public. We have therefore arranged for a number of articles on this subject analyzing the questions at issue in the different cases that might arise and pointing out the solutions that costly bought experience has shown to be the wisest. The questions that confront the engineer called upon to determine the size and character of the bond issue and the class of work to be paid for by the bond issue, vary very much with the locality, the nature of the work and statutes under which the project is carried out. Too many bond issues have in the past been saddled on the public which were no more than gigantic steals carried through for no other purpose than providing a fund for the extravagant living of the officials in office at the time, and always giving the public the small end of the deal or rather the divy. The engineer was hardly ever consulted in those days, and if he appeared in the whole matter at all was merely hired to set a few square pegs with a tack in the center and some red chalk on the top, and was more than often admonished to keep his nose out of the job itself and not bother about finding any faults as there were practical men in charge "who knew more about the work than he did."

Too many bond issues have been carelessly wasted through the almost criminal ignorance of the men in charge as to what constitutes a proper improvement under a bond issue. We have here in California several ways of issuing bonds for improvement work, and what has been said above holds good for all classes as we shall later see when we will cite the specific instances of which there are legion.

State Bonds are prepared by the legislature and then submitted to popular vote for ratification.

County Bonds are prepared by the board of supervisors and then submitted to the people for ratification. In addition to these, the general bonds, a special bond in ten year series is now getting very much into use in the south where a special assessment district is laid out for certain stated

kinds of improvements and ten-year bonds issued against the district.

City bonds are issued in the same manner a county bonds.

No improvement of a temporary character should ever be laid under a bond issue as the result will be like the following ditty:

Hordes of autos now remind us  
We should build our roads to stay—  
When departing leave behind us  
Kind that rains don't wash away.  
When our children pay the mortgage  
Father's made, to haul their loads,  
Do not let them raise the question,  
"Here's the bonds, but where's the roads?"

(Continued next week)

## LETTERS TO S. F. CHAPTER PUBLICITY COMMITTEE.

A very successful meeting of the newly organized San Bernardino Valley Chapter of the American Association of Engineers was held in the Court House at Riverside on the evening of August 25th. About thirty engineers were present, and after the routine business was transacted, a very interesting address on "Flood Water Conservation" was given by Mr. Francis Cuttle of Riverside, who is an authority on this subject.

Plans were perfected for the entertainment of Dr. F. H. Newell, President of the National Association, at a banquet at the Glenwood Mission Inn, Riverside on Saturday, August 30th. After the banquet Dr. Newell will address the association in the music room of the Inn.

It was arranged to hold monthly meetings of the Chapter at different towns in the valley, at which meetings there will be an address on some subject or problem interesting to engineers, with discussion.

B. B. MANN,  
City Engineer of Ontario, President.  
M. A. WOODS,  
610 10th St. San Bernardino,  
Secretary.

Los Angeles, Aug. 26, 1919.  
American Association of Engineers,  
Care Building and Engineering News,  
San Francisco, California.

Gentlemen: Referring to page 3 of your letter of recent date, I submit

the following work under construction or in preparation by the Milwaukee Building Company, Meyer, & Holler, Architecture, Engineering and Construction:

Plans are under way for a six-story Class A reinforced concrete factory building for Brownstein-Louis Company. Design to be along classical lines with a Spanish atmosphere. All modern innovation and conveniences to be incorporated. Cost about \$500,000.

Plans have been completed for a one-story Class C market building at the corner of Hollywood Boulevard and Wilcox. Size 61x120. Cost about, \$20,000.

Hoping the above may be of value to you, I remain

Very truly yours,

MILWAUKEE BLDG. CO.  
EVERETT H. MERRILL, C. E.,  
Chief Engineer.

## NEWS FROM NATIONAL HEAD-QUARTERS.

Unexpected enthusiasm and widespread interest in the work and plans of the A. A. E. are found by the President of the American Association of Engineers in his visit to the centers of engineering activity, particularly in the middle and far west. The young engineers, notably those recently returned from Army or Navy service, are putting their surplus energy into the upbuilding of the local clubs and chapters. Retaining some of the enthusiasm of larger service, they see home affairs from the broad viewpoint of the traveler, and dare not content with the narrow vision of their older associates. They want to join in state and nation-wide activities as well as in those of their own town. There A. A. E. with its wide-spread organization, has an appeal to their imagination.

The principal cities recently visited by President Newell are Boston, New York, Philadelphia, Baltimore, Washington, Pittsburgh, Buffalo, Cincinnati, Dayton, Omaha, Kansas City, Denver, Salt Lake City, Boise, Seattle, and Portland, Sacramento, Los Angeles, San Francisco, San Diego, Tucson and El Paso. At each point visited conferences have been held with the local officers of A. A. E., followed usually by open meetings to which the public is invited. And when the results and plans of the A. A. E. are explained and discussed, especial interest is shown in the studies of conditions of engineers.

In general there is a good demand for engineers, and works as a whole are being undertaken at a steadily increasing rate. The greatest activity is in highway building. In this line there is a scarcity of experienced men. Much money is being wasted for this reason. The general enthusiasm for hard roads on the part of the public is apt to have a severe setback when the fact is discovered that many of the politically-appointed boards or supervisors—not engineers—are wasting the funds on experiments or schemes not approved by skilled engineers. Here is where the local Chapters of the A. A. E. have much difficult work "cut out for them," namely in educating

the public on the dangers of neglect of competent engineering advice, or of permitting the employment of cheap men in responsible places. The public will not discriminate, and when the roads or bridges fail, as many must, the blame will fall inevitably on the engineer. Even though today he protests, if he does not make this protest loudly and effectively, it will not do to say later, "I told you so."

A committee to investigate the compensation of municipal and county engineers, and another to make a similar investigation for engineers employed by public utilities, is being organized by the American Association of Engineers. The committee personnel has not been determined entirely, but it is expected that this will have been done very soon.

The American Association of Engineers has grown so fast during the last six months that the national headquarters of the Association in Chicago has outgrown its quarters. Within the next two or three weeks these headquarters will be moved from the present location at 29 La Salle street to the Nepeanuk Building at 63 East Adams street, where a lease has been taken on 6,000 square feet of office space. The Chicago Chapter, which has over 1,100 members, and which is now the largest engineering society in Chicago, will take over the space vacated by the national headquarters of the Association.

## CALIFORNIA SHIPBUILDER LAUNCHED.

The California Shipbuilder, a monthly magazine published by the steel shipyards of the San Francisco Bay District, has made its appearance. The publication, edited by Lindsay Campbell, contains many interesting articles regarding the shipbuilding industry.

"History of Shipbuilding in California," by Glenn Byers; "The Romance of Iron," by Robert H. Willson, are stories among the features of the first issue.

The magazine is dedicated by the steel shipyards and allied industries of the San Francisco Bay District to breaking down the barriers thrown up by past mistakes and establishing co-operation between employer and employee.

## STATE CORPORATION DEPARTMENT.

SACRAMENTO, July 19. — Commissioner of Corporations E. C. Bellows has been advised by Attorney-General U. S. Webb that newspapers are subject to the penalties prescribed in the Corporate Securities Act in publishing the advertisement offering for sale securities of companies and associations which have not been authorized to sell or issue their shares in the State of California.

During the last several weeks there has been a stock-selling drive in certain newspapers of the State through advertisements inserted by Texas companies, associations and firms of brokers. In no case was the company, whose stock was being offered

to the California purchasers, authorized to sell or issue its shares in this State. Likewise none of the brokers so advertising has a California broker's license.

Commissioner Bellows, from investigations he has instituted, has determined that the stock of many, and possibly all of these companies, is worthless, and the investors of California are being defrauded out of their money. He issued warnings to the newspapers publishing the advertisements and also warned the companies and brokers; but this method has failed to stop the violations.

In order to ascertain whether or not the newspapers in California are amenable to the provisions of the Corporate Securities Act when accepting and publishing advertisements for the sale of shares of an unauthorized company, the Commissioner asked the Attorney-General for an opinion. Here is the question asked by Commissioner Bellows and the answer given by Attorney-General Webb:

"I have before me for reply thereto your letter of the 19th inst., wherein you request to be advised:

"Whether newspapers published in this State are subject to the penalties prescribed by Section 14 of the Corporate Securities Act in advertising for sale securities of companies and associations which have not been authorized to sell or issue their shares in the State of California."

"In our opinion, Section 14 of the Securities Act clearly imposes the penalty therein prescribed upon a person who publishes an advertisement for the sale of securities which within his knowledge, have not been authorized to be sold by the Commissioner of Corporations. This we find in the following extracts from the section bringing within its terms:

"Every other person, who knowingly \* \* \* causes or assists in causing to be \* \* \* sold, any security, in nonconformity with a permit of the Commissioner then in effect authorizing such issue, or contrary to the provisions of this act," or of the constitution of this state," or

"who, with knowledge that any advertisement \* \* \* concerning securities of any security contains any statement that is false or misleading, or otherwise likely to deceive a reader thereof, issues, circulates, or publishes the same, or shall cause the same to be issued, circulated, or published."

## HANDBOOK OF THE USEFUL PLANTS.

A handbook of tropical and sub-tropical America is in course of preparation in the U. S. Bureau of Plant Industry, in Washington. The Bureau states that this work will serve to answer innumerable questions which are constantly received from commercial and manufacturing firms, scientists, other branches of the Government, etc., concerning food and forest plants, drugs, tanning and dye plants, narcotics, poison plants, oils, resins, balsam and gums. — Scientific American

## ASSEMBLY BILL NO. 239.

## CHAPTER 625.

An act providing for a county engineer for each county in this state, providing for his appointment, manner of removal, qualifications, compensation and duties; transferring to such engineer certain powers, functions and duties heretofore vested in and performed by county surveyors and members of the board of supervisors; also authorizing the board of supervisors for each county to purchase and obtain all necessary equipment, materials and instrumentalities to carry out the objects of this act; to provide said county engineer with an office and necessary assistants; to provide for abolishing the office of county surveyor and for the fixing and levying of taxes for road purposes.

[Approved May 27, 1919.]

**The people of the State of California do enact as follows:**

Section 1. The Board of Supervisors of any county at their option may appoint, and upon petition therefor signed by qualified electors of the county equaling in number not less than twenty-five per cent of the total vote cast in the county for governor at the last preceding election at which a governor was elected, they must appoint a competent civil engineer who has had within five years last past, not less than one year's actual experience in practical road building as county engineer, who shall be deemed an employee and not a county officer. The county engineer shall, under the general direction and supervision of the board of supervisors and except as otherwise provided in this act, have complete direction and control over all of the construction, improvement, maintenance and repair of county roads, highways and bridges.

Sec. 2. The county engineer shall hold his employment for the term of four years from the date of his appointment; provided, that he may be removed at any time by the board of supervisors for inefficiency, neglect of duty, malfeasance or misconduct in office, or other good cause shown, upon written charges to be filed with and heard by the board of supervisors and sustained by a three-fifths vote of said board after a hearing as herein provided. Said board is hereby vested with the power to administer oaths, compel the attendance of witnesses and the production of books, papers and testimony. A copy of such charges shall be personally served upon said county engineer and he shall be given not less than ten days' time in which to file a written answer to the charges, and if it appears to the satisfaction of said board that the charges have been substantiated, the said board shall so notify said county engineer by mail, and such notice shall specifically state the findings and judgment of said board, and the board of supervisors of such county must thereupon forthwith remove such county engineer from office and shall immediately appoint his successor in the manner provided in section two of this act. Prior to entering upon the duties of his employment the county engineer shall file with the county clerk the oath of office as prescribed for the county officers and a bond conditioned upon the faithful performance of his duties, with sufficient sureties approved by a judge of the superior court, in the sum of five thousand dollars.

Sec. 3. The salary of the county engineer shall be fixed by the board of supervisors, and said salary, together with the compensation of said engineer's assistants, shall be paid monthly out of the county treasury of the county in which he is appointed and in the same manner as county officers. The county engineer shall also be allowed from the county treasury his actual traveling and other necessary expenses incurred in the performance of the duties of his employment, and shall be a charge against the general fund. The salary of the county engineer in the several counties shall be fixed by the board of supervisors of each county; in any county shall be not less than the compensation received by the county surveyor of that county at the time said county engineer is first appointed.

Sec. 4. The county engineer shall be ex officio road commissioner of and for each and every road district of his county, and, subject to the control and supervision of the board of supervisors as herein provided, shall have and exercise powers and duties hereinafter set forth and specified, and such duties as may hereafter be provided by law.

Sec. 5. The county engineer shall:

(a) Make, or cause to be made, all surveys, maps, plans, specifications and estimates necessary or required for the construction, improvement, maintenance and repair

of the county roads, highways and bridges, and shall, from and after the first Monday in September, 1919, have and exercise all the powers and duties, and perform all the functions which are now by law conferred or imposed upon county surveyors, except as herein otherwise provided.

(b) Examine and inspect, or cause to be examined and inspected, the work performed on such roads, highways and bridges, and report to the board of supervisors whether or not the work has been done in accordance with the plans and specifications and contracts therefor.

(c) Approve and certify to the progress estimates and allowances for work performed under all contracts for the construction, improvement, maintenance, or repair of county roads, highways and bridges.

(d) Inspect, or cause to be inspected, all county roads, highways and bridges within the county, and keep such roads, highways and bridges clear from obstructions, and when authorized by the board of supervisors he may employ all men, teams and equipment necessary to keep such roads in good repair when the same is not let by contract, and report to the board of supervisors with respect to such inspection and such work from time to time as said board shall require; and certify to the correctness of all pay rolls for work done by day labor or force account on county roads, highways and bridges.

(e) Have control and management under the general supervision of the board of supervisors of all county rock quarries, oil pits and depots, gravel pits and all materials, property, implements, instruments, tools, machinery and other appurtenances necessary for the construction, improvement, maintenance and repair of county roads, highways and bridges, and shall be the custodian of the plans therefor.

(f) He may also hold and perform the duties of the office of county surveyor, but in all such cases no salary or other compensation shall be paid to him as county surveyor. He shall not be interested either directly or indirectly in any contracts within his jurisdiction, nor shall he be interested in the purchase of materials, supplies or equipment of any kind used in connection with the performance of his duties under the provisions of this act.

(g) Prepare annually a budget showing in detail the needs of the county for construction, improvement, maintenance or repair of county roads, highways and bridges for the ensuing year, and submit the same to the county auditor and board of supervisors at least sixty days prior to the date of the meeting at which the board of supervisors is required to fix the county tax rate and levy the county taxes.

(h) Make a written report to the board of supervisors at their first regular meeting of each month, and in it he shall state the amount and character of work done, during the preceding month, the progress of any contracts under way, approximate cost of the work and matters pertaining to the public roads, highways, streets and bridges or other public works, which, in his judgment, shall be brought to their attention. This report shall contain the recommendation of acceptance or rejection of any public work completed, and all official announcements or statements which the engineer is required to make to the board. The size and form of these reports shall be uniform and upon blanks supplied by the state engineer and a copy shall be filed, one in the office of the board of supervisors and another in the office of the county engineer.

(i) On or before the first day of July of each year, file with the board of supervisors a complete report of the work of the preceding year, which report shall be in the form required and contain the information desired and requested by the state engineer and upon blank forms supplied by him. A copy of said report shall also be filed in the office of the board of supervisors.

(j) Perform such other duties pertaining to the construction, improvement, maintenance or repair of county roads, highways and bridges as the board of supervisors may prescribe.

Sec. 6. The board of supervisors shall provide by ordinance or resolution for the employment, when necessary, of additional field and office help by said county engineer, and shall prescribe the compensation to be paid to all persons so employed, for the time during which they may be actually engaged in the service of the county and for their actual necessary expenses incurred in the performance of their duty.

(Continued Next Week.)

# ADVANCE NEWS

## Official Proposals, Etc.

### Building.

#### APARTMENT HOUSES.

Plans Being Prepared.  
**APARTMENTS.** Cost, \$80,000  
**SEATTLE,** Wash. Capital Hill, 11th Ave. and Federal St.  
 Three-story and basement brick (16 5 and 6-room apartments.)  
 Owner—Mrs. Mae Young.  
 Architect—V. W. Voorhees, Eitel Bldg., Seattle, Wash.

To Be Done by Day's Work.  
**APARTMENT HOUSE** Cost, \$20,000  
**GILROY,** Santa Clara Co., Cal. Fifth Eigleberry streets.  
 Frame apartment house, 2 and 3 room apartments.  
 Owner—Wm. L. Adke, Gilroy, Calif.  
 Designer and Contractor—Owner.  
 Work on removing the buildings on the present site will be commenced within the next few days. A steam heating system will be installed in the new building.

Segregated Figures Being Taken.  
**APARTMENTS** Cost, —  
**SAN FRANCISCO,** SW Fifteenth Ave. and Geary Street.  
 Two three-story frame apartment houses, 100x142; 24 3 and 4 room apts. (Colonial style with garage court between the buildings, fountain pool, etc. Basement garages.  
 Owner—Withheld.  
 Architect—August Headman, Call Bldg., San Francisco.

Ready for Figures in About Ten Days  
**ADDITION** Cost, \$7,000  
**SAN BRUNO,** San Mateo Co., Cal.  
 Add one story to present frame one-story building for apartment of 8 rooms.  
 Owner—Not given.  
 Architect—Morrow & Garren, Chronicle Bldg., San Francisco.

Owner Taking Sub-figures.  
**APARTMENTS.** Cost, \$50,000  
**SAN FRANCISCO,** W Leavenworth 54 S Ellis.  
 Four-story brick apartment house.  
 Owner—H. Hogrefe, 656 Post St., San Francisco.  
 Architect—E. E. Young, 251 Kearny, San Francisco.

#### BANKS.

Plans Being Figured.  
**BANK AND OFFICES** Cost, \$500,000  
**SAN FRANCISCO,** NW Eddy and Powell.

Six-story Class "A" bank and offices.  
 Owner—Bank of Italy.  
 Architect—Bliss & Faville, Balboa Bldg., San Francisco.

Complete new steel figures are being taken, also figures for the balance of the work. If the figures run too high, construction will be postponed for the present.

Plans Being Prepared.  
**ALTERATIONS.** Cost, —  
**BURLINGAME,** San Mateo Co., Cal.  
 Extensive alterations to interior of bank  
 Owner—Bank of Burlingame  
 Architect—M. G. West Co., 365 Market St., San Francisco.

Contract Awarded.  
**BANK BLDG.** Cost, —  
**GUSTINE,** Merced Co., Cal.  
 One-story, reinforced concrete and terra cotta bank building (branch bank).  
 Owner—Bank of Newman.  
 Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.  
 Contractor—P. J. Walker, Monadnock Bldg., San Francisco.

Plans Being Prepared.  
**ADDITION** Cost, \$20,000  
**NEWMAN,** Stanislaus Co., Cal. "O" and Fresno streets.  
 Addition to stone bank building.  
 Owner—Bank of Newman.  
 Architect—Reed and Corlett, Oakland Bank of Savings Bldg., Oakland.

#### BONDS.

**FALL RIVER,** Shasta Co., Cal.—The election held in the Fall River Mills School District to vote bonds of \$3,000 with which to erect a new school building failed to carry.

**HOLLISTER,** San Benito Co., Cal.—The proposition to vote bonds of \$140,000 with which to finance construction of a new high school building, has been defeated. It is said the voters are in favor of a new building, but the manner in which the affair was handled caused much opposition.

A new election is planned by the Trustees of the District.  
 Preliminary plans for the proposed building have been prepared by Architect W. H. Weeks, 75 Post street, San Francisco.

#### CHURCHES.

Plans Approved. Bids to Be Called in About Ten Days.  
**CHURCH** Cost, \$60,000  
**VALLEJO,** Solano Co., Cal. Virginia street.  
 Brick Church Building.  
 Owner—Methodist Episcopal Church of Vallejo.  
 Architect—Willson J. Wythe, Central Bank Bldg., Oakland.  
 Pipe organ and furnishings included in the \$60,000 cost.

#### COURTHOUSES.

**SAN ANDREAS,** Calaveras Co., Cal.—L. A. Danner Co., 20 N. California St., Stockton, submitted the only bid to the County Supervisors for painting, papering and varnishing the County Courthouse, Hall of Records and adjoining buildings, on its bid of \$556. This was the only bid submitted.

#### FACTORIES AND WAREHOUSES.

General Contract Awarded.  
**FACTORY** Cost, \$100,000  
**SAN FRANCISCO,** NW Bay & Stockton streets.  
 Three-story brick and mill construction factory building, 136x275.  
 Owner—Simmons Co., 198 Bay St San Francisco.  
 Architect—Owners.  
 Contractor—Frank B. Peake, 1247 42nd Ave., San Francisco.  
 The owners are taking figures on some of the sub-contracts.

Plans to Be Prepared. Construction Will Not Be Started Until Spring.  
**WAREHOUSE** Cost, —  
**SACRAMENTO,** Cal. 1309 Front St.  
 Two-story concrete warehouse, 84x162  
 Owner—The Simpson Estate, Sacramento, Calif.  
 Architect—Not yet selected.

Plans Being Figured.  
**FACTORY.** Cost, —  
**PORTLAND,** Ore. Sandy Blvd. between 19th and 20th Sts.  
 Two-story and basement reinforced concrete factory, 100x140.  
 Owner—Joseph Simon.  
 Architect—E. B. MacNaughton, Concord Bldg., Portland, Ore.

**SACRAMENTO,** Cal.—The City Commissioners have passed an ordinance re-creating the position of Superintendent of Streets and have slated Jay C. Nurse for the position.

**WINNEMUCCA,** Nevada.—George Weideman, construction engineer, and formerly with the construction department of the Southern Pacific Company, plans to erect a toy factory in this city. Machinery and other equipment for the proposed plant has already been purchased.

Plans Being Prepared.  
**FACTORY.** Cost, \$500,000  
**LOS ANGELES.**  
 Six-story Class "A" reinforced concrete factory building.  
 Owner—Brownstein-Louis Co.  
 Architect and Contractor—Milwaukee Building Co., Wright and Callender Bldg., Los Angeles.

Plans Being Prepared. Ready for Figures in a Few Days.  
**FACTORY.** Cost, \$100,000  
**STOCKTON.**  
 Group of five one-story Class "C" (hollow tile) factory buildings.  
 Owner—Not given.  
 Architect—Albert W. Burgren, 30 Woodland Ave., San Francisco.

#### FIRE HOUSES AND JAILS.

Plans Approved. Figures to Be Called Next Month.  
**FIREHOUSE** Cost, \$30,000  
**REDWOOD CITY,** San Mateo Co., Cal.  
 Two-story Class "C" firehouse and memorial hall.

Owner—City of Redwood City.  
Architect—J. R. Miller, Lick Bldg.,  
San Francisco.

It is planned to call for figures shortly to be opened about the last week in September.

CHICO, Butte Co., Cal.—Trustee O. E. Tracy, Chairman of the Fire, Light and Water Committees of the City Council, has been instructed to employ an architect to prepare plans for altering the old fire house building into a modern structure.

### GARAGES.

Contract Awarded.  
SHOP & GARAGE. Cost, \$13,000  
SAN FRANCISCO. SE 5th and Harrison.

One-story Class "C" brick machine shop and garage.

Owner—Geo. Caesar; lessee, McDonald Motor and Truck Co.

Architect—J. F. Dunn, Phelan Bldg.,

San Francisco.  
Contractor—F. L. Hansen, 2000 Polk,  
San Francisco.

Plans Nearing Completion.

FACTORY. Cost, \$75,000  
PORTLAND, Ore. Fifteenth street.  
One-story reinforced concrete (200x  
150) factory and garage.

Owner—Ukase Investment Co. Lessee,  
Laher Auto Spring Co.

Architect—Emil Schacht, Common-  
wealth Bldg., Portland, Ore.

Plans Prepared. To Take Figures  
Shortly.

AUTO TRUCK PLANT. Cost, \$42,000  
SEATTLE, Wash. NW 3rd avenue  
and Wall street.

Two-story brick and mill construction  
(120x180) auto truck plant.

Owner—Pacific States Motor Truck  
Co.

Architect—Stephen & Stephen, New  
York Block, Seattle, Wash.

Figures Being Taken.

GARAGE. Cost, \$60,000  
OAKLAND, Cal. Webster Street.  
Four-story reinforced concrete garage  
building, 140x125.

Owner—Withheld.  
Architect—M. I. Diggs, 1519 Broadway  
Oakland.

Segregated Figures to Be Taken Next  
Week.

GARAGE. Cost, \$16,000  
OAKLAND. SE Webster and 23rd Sts  
One-story and mezzanine floor Class  
"C" commercial garage.

Owner—H. A. Mitchell.  
Lessee—P. K. Webster Co.  
Architect—Reed & Corlett, Oakland  
Bank of Savings Bldg., Oakland.

### GOVERNMENT WORK & SUPPLIES.

Navy Department, Office of the Chief  
of the Bureau of Yards and docks,  
Washington, D. C.—Sealed bids are  
wanted until September 10, 1919, specification 4008, for torpedo racks at  
Kauahua, H. T. Estimated cost, \$28,-  
000. Deposit, \$10. For further infor-  
mation address the chief of bureau.

Department of the Interior, United  
States Reclamation Service, Washing-  
ton, D. C., August 8, 1919.—Sealed  
proposals will be received at the office

of the United States Reclamation Service,  
Denver, Colo., until 2 o'clock p.  
m., October 1, 1919, for furnishing bal-  
anced needle valves, high pressure  
emergency gates and sluice gate for the  
north tunnel of the Pathfinder dam,  
North Platte project, Nebraska-  
Wyoming. For particulars address the  
United States Reclamation Service,  
Washington, D. C., or Denver, Colo. A.  
P. DAVIS, Chief Engineer.

Bureau of Yards and Docks, Navy  
Department, Washington, D. C.—  
Sealed bids are wanted until Septem-  
ber 10 under specification 4007 for  
water and sewer system and fuel oil  
reservoir at San Diego, Calif. Estimated  
cost, \$225,000. Deposit for  
plans, \$10. For information address  
above office.

The following is a list of prospec-  
tive bidders for this work:

Hyde & Baxter, 711 13th street N.  
W., Washington, D. C.

White City Electric Co., Washing-  
ton, D. C.

H. D. Hallett, 132 Downer Place,  
Aurora, Ill.

Whitlock Coil Pipe Co., Hartford,  
Conn.

Standard Water Systems Co., Hamp-  
ton, N. J.

John W. Danforth Co., 70 Ellicott  
street, Buffalo, N. Y.

PANAMA CIRCULAR 1299—Propo-  
sals for iron pipe, pipe fittings,  
lavatory fittings, range boilers, sheet-  
ing, cotton rope, glass and blueprint  
paper.—Sealed proposals will be re-  
ceived at the office of the general pur-  
chasing officer, the Panama Canal,  
Washington, D. C., until 10:30 o'clock  
a. m. September 9, 1919, at which time  
they will be opened in public, for fur-  
nishing the above mentioned articles.  
Blanks and information relating to  
this circular (1299) may be obtained  
from this office or the office of the as-  
sistant purchasing agent, Fort Mason,  
San Francisco, Calif.; also from the  
United States engineer offices in the  
principal cities throughout the United  
States. A. L. FLINT, General Pur-  
chasing Officer.

Plans Being Figured. Bids Close Sep-  
tember 12, 1919, at 11 a. m.

STOREHOUSE. Cost, \$130,000  
BENICIA, Solano Co., Cal. Benicia  
Arsenal.

One-story brick, hollow tile and con-  
crete walls artillery storehouse,  
160x314.

Owner—United States Government.  
Architect—Engineering Department  
Benicia Arsenal.

### HALL AND SOCIETY BUILDINGS.

Bids to Be Called for in About Ten  
Days.

CITY HALL. Cost, \_\_\_\_\_  
TULARE, Tulare Co., Cal.

Two-story Class "C" municipal audi-  
torium and City Hall.

Owner—City of Tulare.

Architects—W. C. Perry and G. B.  
Sturgeon, Newhall Bldg., San  
Francisco.

### HOSPITALS.

Segregated Figures Being Taken.  
HOSPITAL. Cost, \_\_\_\_\_

OAKLAND, Alameda Co., Cal. Fruit-  
vale Hills.

Two-story reinforced concrete hospi-  
tal building (1st unit.)

Owner—California Memorial Hospital  
Co., 447 Monadnock Bldg., San  
Francisco.

Architect—Carl Werner, Phelan Bldg.,  
San Francisco.

Plans may be obtained from Mr.  
Hobson, 447 Monadnock Bldg., San  
Francisco.

SANTA ROSA, Sonoma Co., Cal.—  
Articles of incorporation have been  
filed with the County Clerk by the  
Liberty Hospital of Santa Rosa. The  
incorporators are Charles A. Wright,  
Ney L. Donovan, Frank P. Doyle,  
James R. Edwards, Glenn E. Murdock,  
Charles E. Lee and Alfred Trembley.  
The articles declare it is the intention  
of the company to erect and maintain  
a modern hospital building in Santa  
Rosa.

### HOTELS.

MARYSVILLE, Yuba Co., Cal.—The  
following bids were received by Ar-  
chitect Chester Cole, Waterland-Bres-  
lauier Bldg., Chico, for alterations to  
the U. S. Hotel building in Marysville:  
Rolla Thompson, 105 B St.,  
Marysville (awarded con-

tract) .....	\$8,523
F. E. Sabin .....	8,700
L. E. Hite .....	9,525
I. C. Evans .....	9,942

### LIBRARIES.

SACRAMENTO, Cal.—The Library  
Trustees are planning the expendi-  
ture of \$27,000 for fitting up modern  
library quarters in the County Court-  
house.

### POWER PLANTS.

ASTORIA, Ore.—The Pacific Power  
& Light Company has purchased a  
15-acre tract on Young's Bay, where  
it is planned to construct a \$750,000  
power plant.

Plans Being Figured.  
PACKING PLANT. Cost, \$75,000

MODESTO, Stanislaus Co., Cal. One  
mile south of Modesto on the  
Crows Landing road.

One-story brick and concrete, 60x100,  
packing plant.

Owner—Modesto Packing Co., A. Wil-  
cox, Secretary-Treasurer, Modest-  
o, Calif.

Architect—Not given.

Plans may be seen at the Palace

Market, 810 Tenth street, Modesto.

HANFORD, Kings Co., Cal.—The  
City Trustees have decided to make  
additions and repairs to the old laun-  
dry building in the Courthouse Park  
as a rest room for women and chil-  
dren. The structure will be replas-  
tered and redecorated and minor ad-  
ditions made. Installation of modern  
plumbing, etc., will be provided for.

COLUSA, Colusa Co., Cal.—Owing  
to the small premium offered for the  
\$20,000 bond issue, recently voted to  
finance construction of a municipal  
bathhouse, the City Trustees have re-  
jected the bids and will call for new  
offers.

Plans for the building to be erected  
have been prepared by Architect Ed-

win J. Symmes, 1700 Pearl St., Alameda.

**ALAMEDA, Alameda Co., Cal.**—The City Council has decided to make repairs on the City Hall building. The present plastering will be repaired, painting and redecorating and minor other alterations will be made on the building.

**BERKELEY, Alameda Co., Cal.**—The Park Board has recommended to the City Council that immediate steps be taken for the erection of comfort stations at South Berkeley. The action was taken on the petition of the South Berkeley Chamber of Commerce.

### RESIDENCES.

Contract Awarded.

**REPAIRS AND ALTERATIONS**

Cost, \$20,000

**HILLSBOROUGH, San Mateo Co., Cal.** Repairs to burned portion and alterations to residence.

Owner—Mrs. Tobin.

Architect—D. J. Patterson, 46 Kearny St., San Francisco.

Contractor—Ludley & Wiseman, San Mateo.

Contract Awarded.

**BUNGALOWS.** Cost, \$135,000  
**SACRAMENTO, Cal.** Howell-Clark Tract, Tenth, Riverside Road, X and Y streets.

Twenty-eight one-story and basement frame bungalows.

Owner—J. C. Carly Co., 823 J St., Sacramento, Calif.

Architect—Not given.

Contractor—A. W. Norris, 3012 G St., Sacramento, Calif.

Owner Taking Segregated Figures.

**APARTMENTS.** Cost, \$46,000  
**SAN FRANCISCO.** W Commonwealth Avenue 100 N Geary Street, 40x 120.

Three-story frame apartment house 5 6-room and 1 4-room apts.; 2 bathrooms & service room each).

Owner—O. E. Anderson, 40 Atalaya St., San Francisco.

Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans Being Figured.

**ADDITION.** Cost, —  
**BERKELEY, Cal.** Claremont Court. Add two rooms and general alterations to two-story residence.

Owner—Mrs. Catherine Gaddis.

Architect—Henry H. Gutterson, 278 Post, San Francisco.

Contract Awarded.

**ADDITION.** Cost, \$4000  
**YUBA CITY, Sutter Co., Cal.** Near Yuba City.

Two-story frame (addition) to residence (8 rooms.)

Owner—G. L. Walton.

Architect—Chester Cole, Waterland-Breslau Bldg., Chico, Calif.

Contractor—J. O. Palm, Marysville, Calif.

Plans Being Figured.

**RESIDENCES.** Cost, \$6,000 to \$9,000  
**SAN FRANCISCO.** St. Francis Wood. Three two-story frame residences (6 8 and 9 rooms each and a one-story 5-room bungalow.)

Owner—Withheld.

Architect—Henry H. Gutterson, 278 Post St., San Francisco.

Contract Awarded.

**RESIDENCE.** Cost, \$25,000  
**SAN FRANCISCO.** S Jackson 117-6 W Maple.

Two-story and basement frame and stucco residence.

Owner—Robert S. Atkin.

Architect—J. F. Dunn, Phelan Bldg., San Francisco.

General contract awarded to F. L. Hansen, 2000 Polk St., for \$12,000.

Grading and concrete work to R. J. H. Forbes, Monadnock Bldg., \$6,000.

Figures are being taken for elevators, electric work and painting.

Plans Being Prepared.

**ALTERATIONS.** Cost, —  
**BURLINGAME, San Mateo Co., Cal.** Extensive alterations to residence.

Owner—Mrs. Josephine McCabe.

Architect—E. L. Norberg, Bankers Investment Bldg., San Francisco.

Contract Awarded on a Percentage Basis.

**RESIDENCE, ETC.** Cost, \$22,500  
**PLACENTIA, Orange Co., Cal.**

Two-story and basement frame and plaster residence (10 rooms and 3 bathrooms), garage and billiard room building.

Owner—C. C. Wagner.

Architect—Alfred F. Priest, 615 Fay Bldg., Los Angeles.

Contractor—Frank K. Benchley, Fullerton.

Ready for Figures Next Week.

**RESIDENCE.** Cost, \$5,000  
**RICHMOND, Contra Costa Co., Cal.** Mira Vista Tract.

Two-story frame residence.

Owner—A. C. Morehead.

Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.

Revised Plans Ready for Figures in a Few Days.

**RESIDENCE.** Cost, \$12,000  
**SAN FRANCISCO.** Merritt Terrace.

Two-story frame residence (10 rooms plaster exterior)

Owner—G. M. Merritt.

Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Plans Being Prepared.

**BUNGALOW.** Cost, —  
**PEBBLE BEACH, Monterey Co., Cal.** One-story frame bungalow.

Owner—Mr. Henry Stockton.

Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Sub-figures Being Taken.

**ALTER & ADD.** Cost, \$13,000  
**WOODLAND, Yolo Co., Cal.**

Alter and add to two-story frame residence.

Owner—C. F. Thomas.

Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.

Superintendent—E. L. Younger, Porter Bldg., Woodland.

Work has been started by Day Labor.

Contract Awarded.

**ALTERATION.** Cost, \$3,000  
**BERKELEY, Cal.** Claremont District

Alter two-story frame residence.

Owner—W. T. Wood.

Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.  
Contractor—Geo. Scott, 685 23rd St. Oakland.

Plans Prepared.

**ADDITION.** Cost, \$250  
**BERKELEY.** Thousand Oaks.

Addition to two-story frame residence

Owner—Mr. Fill.

Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.

**CONTRACT AWARDED.**

**RESIDENCES.** Cost, \$6,000 each  
**SAN FRANCISCO.** Merritt Terrace

Three two-story and basement frame residences and basement garage

(8 rooms each).

Owner—Niels Schultz.

Architect—Not given.

Contractor—Schultz Construction Co. 46 Kearny St., San Francisco.

### SCHOOLS.

Plans Being Prepared.

**ADDITION.** Cost, \$10,000  
**ALAMEDA, Alameda Co., Cal.** Washington School.

Addition to school (finish community rooms, etc).

Owner—City of Alameda.

Architect—Henry H. Meyers, Kohl Bldg., S. F.

Plans will be ready for figures in

Plans Being Figured.

**SCHOOL.** Cost, —  
**LONG BEACH, Los Angeles Co., Cal.**

Two-story brick and concrete school.

24 classrooms, kindergarten, cafeteria, study rooms, sloyd and domestic science departments and an auditorium to seat 500 people.

Owner—City of Long Beach.

Architect—W. Horace Austin, Long Beach, and J. C. Austin, Baker-Dewiler Bldg., Los Angeles.

Bids will be received separately for the general work, plumbing, painting, electric wiring and heating and ventilating

Bids to Be Called in October.

**SCHOOL.** Cost, \$16,000  
**POTTER VALLEY, Mendocino Co., Cal.**

One-story reinforced concrete school (4 rooms and auditorium).

Owner—Potter Valley School District. Chas. E. Hardisty, Clerk.

Architect—Norman R. Coulter, 46 Kearny St., San Francisco, Calif.

Note: It is planned to sell the bonds to finance construction the early part of October so bids may be called and construction started the latter part of that month.

**REDWOOD CITY, San Mateo Co., Cal.**—Property owners in the Barney Tract and the North Fair Oaks subdivision have petitioned the Redwood City Grammar School District to erect a school building in their territory.

From present indications the petition will be favorably acted upon.

**SACRAMENTO, Calif.**—The contract for the enlarging of the heating and ventilating plant at the William Land School has been awarded by the Board of Education to the Latourette-Fical Company, which bid \$1,730 for the work. Hately & Hately bid \$1,953.



**TURLOCK, Stanislaus Co., Cal.**—The Turlock High School Trustees have awarded contract to O. D. Williams at \$3,875 for the erection of two temporary school buildings.

Other bids were:  
J. F. Knapp ..... \$3,980  
John D. Carlson ..... 4,032  
The buildings will be of frame construction and will cover a ground area of 24x56 feet each.

**SACRAMENTO, Cal.**—Details for the proposed \$3,000,000 bond issue to finance construction of new schools and additions to the present buildings are being completed. Under the issue the following improvements are planned:

Lincoln School, Fourth and Q Sts.; the purchase of an additional half block of ground, an addition of eight rooms and an auditorium.

Jefferson School, Sixteenth and N streets; abandon the present site, purchase half a block and erect a new 12-room building.

Fremont School, Twenty-fourth and N streets, purchase another half block, tear down the old building and build a new twenty-four room structure and combine the Fremont and Sutter Schools, the latter now at Twenty-first and L streets.

Newton Booth School Twenty-sixth and V streets; abandon the present site, buy a block of ground and erect a twenty-four room building.

East Sacramento, Cutter avenue and J street; abandon the present site of a sixth of a block, buy a tract of five or six acres and erect a building commensurate with the needs there when the building is constructed.

Elmhurst, new site and building.  
Franklin School; abandon the present site and purchase five acres, erecting a new building.

Vine Street School, to be moved in and a new site and building secured.  
McKinley School, Seventh and G streets, purchase an additional half a block or a new site of a block, and add to the present building or erect a good wooden structure.

Stanford School, Oak Park, enlarge the site to a full block and erect a standard twenty-four room building.

Bret Harte School, Oak Park, abandon the present site and move west of the business section, purchasing five acres and erecting a new and modern building.

Palmetto School, development to depend upon the location of the Bret Harte School.

Highland Park, abandon the present site and purchase five acres, and erect a standard building.

New High School, erect new polytechnic school on the eleven-acre site, near Thirty-fifth and V streets, to cost \$500,000.

Riverside, purchase additional land for a site and build a larger school.

Edward Haynes is President of the Board of Education.

**NAPA, Napa Co., Cal.**—A number of petitions have been received by Superintendent of Schools, Miss Jackson, asking the formation of a union high school district comprising the following districts: Pope, Upper Pope, Hardin and Olive Districts.

After forming the district a bond election will be held to raise funds

with which to erect a new high school building.

Plans Being Figured.  
**SCHOOL.** Cost, \$—  
BRENTWOOD, Contra Costa Co., Cal. One-story reinforced concrete school. 10 classrooms, auditorium, etc.  
Owner—Brentwood High School District.  
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond, Cal.

Contracts to Be Awarded First of Next Week.

**SCHOOL.** Cost, \$—  
BERKELEY, Alameda Co., Cal. Dwight Way opp. Bowditch. Three-story and basement brick and terra cotta school building.  
Owner—Berkeley Baptist Divinity School, 2601 Dwight Way, Bkly.  
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.  
Bids are in and contracts will be awarded next week.

### STORES AND OFFICES.

Sub-contracts Awarded.  
**OFFICE BLDG.** Cost, \$130,000  
OAKLAND, N 16th street 100 W Telegraph Avenue.

Four-story Class "C" office building. Owner—East Bay Water Co., 9th and Broadway, Oakland.  
Architect—Wm. Knowles, Hearst Bldg San Francisco and Central Bank Bldg., Oakland.

**Electric Wiring** awarded to Newberry Electric Co., 163 Sutter St., San Francisco.

**Plumbing**, to Fred'k W. Snook Co., 596 Clay St., San Francisco.

**Elevators**, to Otis Elevator Co., Beach and Stockton Sts., S. F.

**Steel Bars**, to Edw. L. Soule, Rialto Bldg., San Francisco.

**Millwork**, to Pacific Mfg. Co., 177 Stevenson St., San Francisco.

**Lumber**, to Sunset Lumber Co., Oak, First and Water Sts., Oakland.

**Terra Cotta**, to N. Clark & Son, 116 Natoma St., San Francisco.

Figures are being taken for brick work, painting, etc.

Plans Being Prepared.  
**BRICK BLDG.** Cost, \$10,000  
SAN FRANCISCO. 12th St. near Market.

One-story brick auto accessory Bldg. Owner—Mr. Marx.

Architect—Jos. L. Stewart, Claus Spreckels Bldg., San Francisco.

Plans Being Prepared. Ready for Figures in Ten Days.

**ALTERATIONS.** Cost, \$25,000  
SAN JOSE, Santa Clara Co., Cal. Extensive alterations to store.  
Owner—Reid & J. J. Jevre, 119 So. First St., San Jose.  
Architect—Joseph C. Chen, 333 Kearny St., San Francisco.

Contract Awarded. Sub-figures Being Taken by Contractors.

**ALTERATIONS.** Cost, \$85,000  
SAN FRANCISCO. S Market Bet. 4th and 5th (The Emporium).  
Move stairway from 2nd to 7th floors, install four new elevators in Class "A" department store.

Owner—Parrott Estate, Premises. Engineer—T. Ronneberg, Crocker Bldg., San Francisco.  
Contractor—Dinwiddie Construction Co., Crocker Bldg., San Francisco.

Plans Being Prepared. (MARKET. Cost, \$20,000  
LOS ANGELES. Wilcox Ave. and Hollywood Blvd.  
One-story brick market building, 64x120.

Owner—Dr. T. Nakati.  
Architect and Contractor—Milwaukee Bldg. Co., Wright and Callender Bldg., Los Angeles.

Preliminary Plans Complete. **STORES & LOFTS.** Cost, \$125,000  
BAKER, Ore. Main street.  
Two-story and basement fireproof stores and lofts, 200x100.  
Owner—Basche-Sage Hardware Co., Main street, Baker, Ore.  
Architect—H. W. Bond, Baker, Ore.

Plans Being Figured. **ALTERATIONS.** Cost, \$3500  
SAN FRANCISCO. SE McAllister and Divisadero.

Store front alterations. Owner—Rivers Bros.  
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., S. F.

Plans Being Figured. **ALTERATION.** Cost, \$8500  
SAN FRANCISCO. SE Eddy and Mason.

Alter and install new store fronts. Owner—A. W. Wilson.  
Lessee—Selix Clothing Co.  
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., S. F.

Construction Expected to Start in Ten Days.

**DEPARTMENT STORE.** Cost, \$60,000  
MODESTO, Stanislaus Co., Cal. 10th St. between J and K Sts.  
Two-story steel and brick, 100x140, department store.  
Owner—William McIndoo, Modesto, Architect—Not given.

**ALTERATION.** Cost, \$3,000  
SAN FRANCISCO. 359 Sutter St. Alter store.  
Owner—Dr. Meyers.  
Architect—Samuel L. Heyman, Crocker Bldg., San Francisco.

### THEATRES.

Plans Being Figured. **THEATRE, ETC.** Cost, \$60,000  
WHITTIER, Los Angeles Co., Cal. Three-story hollow tile theatre and store building, 55x145 (1600 seats, 2 stores).  
Owner—H. J. Siler, Truman Berry & J. H. Givin.  
Architect—Walker & Eisen, 1402 Hi-bernian Bldg., Los Angeles.

Plans Being Prepared. **THEATRE.** Cost, \$100,000  
MODESTO, Stanislaus Co., Cal. One-story and balcony Class "A" theatre (1800 seating capacity.)  
Owner—San Francisco men.  
Architect—Reid Bros, 105 Montgomery, San Francisco.  
Plans will not be ready for figures for about three weeks.

**BAKERSFIELD**, Kern Co., Cal.—Currie & Dulgar, 1029 Nile St., Bakersfield, have been awarded a contract for remodeling the Scribner Opera House. The entire interior will be torn out and rebuilt. The work will include new opera chairs, pipe organ, lighting system, heating and ventilating system, etc. Orville L. Clark, Bakersfield, is the architect.

Sketches Being Prepared.

ALTERATIONS.

**SAN FRANCISCO**. Cost, — N McAllister — W Jones.

Extensive alterations to Class "A" theatre building (Savoy Theatre). Owner—H. A. Whiting, care Best Steel Casting Co., Hobart Bldg., San Francisco.

Architect—Name withheld.

Bids Wanted for Excavating.

**THEATRE**. Cost, \$45,000. **SEATTLE**, Wash. University District. Brick and reinforced concrete moving picture theatre, 60x103. Seating capacity on main floor 1,000, balcony 300.

Owner—H. W. Bruen, Majestic Theatre, Ballard, Wash., and Frank Fohr of New York.

Architect—E. W. Houghton, Lumber Exchange Bldg., Seattle, Wash.



### **SAVES YOU MONEY**

New and re-nerved screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

**PACIFIC PIPE CO.,**

232 Main Street San Francisco

## **Engineering**

### **BONDS.**

**MARTINEZ**, Contra Costa Co., Cal.—The City Supervisors have sold to R. H. Moulton Co., of San Francisco the \$1,350,000 block of county highway bonds out of the \$2,600,000 bond issue. The premium was \$10,050.

**LEAVENWORTH**, Wash.—At a recent meeting of the County Good Roads Committee it was decided to adopt a road building program as follows: Concrete road between Wenat-

chee and Leavenworth, about 20 miles, at an estimated cost of \$597,000, of which \$300,000 will be paid out of the bond issue, to which must be added \$70,000 for the Cashmere bridge, making the approximate cost of the concrete road between Leavenworth and Wenatchee, \$880,000. It was recommended that the election be called and the bonds issued and sold at the earliest possible moment.

**FRESNO**, Fresno Co., Cal.—The County Supervisors have sold \$1,000,000 worth of county highway bonds out of the recently voted \$4,800,000 issue.

**VALEJO**, Solano Co., Cal.—The City Council will shortly call a bond election to finance the paving of approaches to the causeway and ferry to Mare Island. This work will cost about \$13,000. The Trustees also plan to bond the city for repaving the petalithic streets. The ballot will provide for the two projects to be voted upon separately. In all it is estimated an issue of \$140,000 will be necessary.

**WOODLAND**, Yolo Co., Cal.—Bonds of \$1,000,000 have been voted by the voters of Yolo County. The issue carried by a vote of four to one.

Proceeds of the sale of the bonds will finance the construction of 74 miles of modern county highways.

**ANTIOCH**, Contra Costa Co., Cal.—The City Council has ordered the City Attorney to prepare the necessary proceedings for calling a bond election to decide the question of issuing bonds with which to finance construction of a sewer in F street from Tenth street to the river.

**SAN MATEO**, San Mateo Co., Cal.—The City Trustees are planning to call a bond issue to decide the question of issuing and selling bonds with which to finance construction of a municipal water system. It is probable that an issue providing \$400,000 for the system will be voted upon.

**SACRAMENTO**, Cal.—As no bids were presented for the \$15,000,000 block of State Highway bonds the State Treasurer, Friend W. Richardson, has decided to extend the time for opening bids for the purchase of same until September 11th, 2 p. m.

### **BRIDGES, DAMS AND HARBOR WORK.**

**PHOENIX**, Ariz.—The Alamos Land & Irrigation Co. has made application with the state corporation commission for permission to sell \$250,000 worth of bonds. It is said arrangements have been made to sell the bonds and the proceeds will be used in the construction of a 100-ft. dam 20 miles west of Congress Junction. W. T. Sawyer of Congress, and Daniel E. Parks of Prescott, are officers of the company.

**REDDING**, Shasta Co., Cal.—The County Supervisors have rejected the only bid received for the construction of the Millville Bridge, to be erected over Cow Creek, at \$18,118, this amount being considered too high.

The bid was submitted by Wm. Stephens.

It is probable that new bids will be called.

**SEATTLE**, Wash.—The General Petroleum Co., of Los Angeles, has awarded a contract to J. A. McEachern Co., Bell Street Dock, Seattle, for the construction of two crescent piling loading piers, one of which will be 600 feet in length, extending into Elliott Bay, from the north end of Harbor Island.

**MARTINEZ**, Contra Costa Co., Cal.—Bids have been ordered received by the County Supervisors up to September 15th, 11 a. m., for building a concrete bridge at Walnut Creek between stations 161 and 293 of County Highway Survey.

Plans may be had from the County Clerk at Martinez.

**SACRAMENTO**, Cal.—The California State Highway Commission has accepted the proposition of the Sierra County Supervisors to plan and build a permanent bridge over the north Yuba River on the Downville lateral, the county of Sierra agreeing to pay the cost in two annual payments. The Highway Commission has also agreed to permit Sierra County to build a temporary bridge over Fiddle Creek, the same to be replaced later by a permanent bridge, when the county's finances will permit.

**SACRAMENTO**, Cal.—The Trust-Basin, report that Engineer J. C. Boyd will present plans to the Reclamation Board at its meeting in September for drainage and ditch work planned by the District for irrigation purposes.

**SEATTLE**, Wash.—The City Engineer has been instructed to make test borings for the proposed \$750,000 steel bascule bridge to be constructed across the west waterway at West Spokane street.

**SAN FRANCISCO**—The Supervisors have passed an ordinance authorizing City Engineer M. M. O'Shaughnessy to make a preliminary investigation on the proposition of building a bridge across the Golden Gate from San Francisco to Marin County.

**OROVILLE**, Butte Co., Cal.—The County Supervisors have approved plans and bids will be called for shortly for the construction of a bridge to replace the old Warren Green structure over Butte Creek on the Gridley-Colusa road. The bridge will cost about \$6,000.

**SAN DIEGO**, Cal.—De Waard Bros., San Diego, submitted the lowest bid at \$19,496.50 for the construction of a reinforced concrete girder type bridge, consisting of four 35-foot spans over Agua Hedionda Creek about 1 1/4 miles south of Carlsbad. The other bids received by the Board of Supervisors were: B. B. Boyd, \$20,160; Wright & Doran, \$20,522.25; Mercereau Bridge & Construction Co., \$21,902; and W. M. Lydbetter & Co., \$22,567.

**SACRAMENTO, Cal.**—The State Reclamation Board does not approve of the application of Sutter County to construct the proposed Mawson bridge across Little Slough between the Marysville buttes and District No. 70. Objection was made to the thirty-foot space between piers, the board holding out for 40-foot spans, as on the long bridge further south.

**EUREKA, Humboldt Co., Cal.**—The County Supervisors have voted \$16,000 toward the construction of the concrete bridge across Bear Creek in the vicinity of Pepperwood. It was at first planned to erect a wooden structure costing that amount, but on recommendation of the State Highway Commission, a concrete structure was decided upon when the Commission offered to pay the balance. Eight thousand dollars were also voted to finance construction of a concrete bridge over Dean Creek.

**REDWOOD CITY, San Mateo Co., Cal.**—The Redwood City Trustees have awarded a contract to Chas. J. Lindgren of Burlingame, on his bid of \$26,547, for constructing reinforced concrete bridges as follows:

Across Redwood Creek on Broadway between Washington St. and Main St.

Across branch of Redwood Creek on Webster St. between East Jefferson avenue and Broadway.

Across branch of Redwood Creek on Maple street between Southern Pacific Company right-of-way and Franklin street, and channel excavation included therewith.

Other bids received were as follows:

J. H. Wilson, San Mateo.....	\$31,262
T. B. Cowden, San Francisco.....	36,488
A. J. Grier, Oakland.....	38,030

**STOCKTON, San Joaquin Co., Cal.**—After considerable delay the County Supervisors have awarded a contract to D. E. Burgess, 1250 N. Sierra Nevada St., Stockton, for painting twenty-nine county bridges on his bid of \$11,998.

Other bids were submitted as follows:

D. Zeilinsky & Sons, Inc.....	\$38,000
J. A. Mohr & Son.....	36,676
Jenkins & Wells.....	24,545

The delay in awarding the contract was caused through the amount of the low bid received, the Supervisors considering the bid too low.

Eugene D. Graham is County Clerk

**PASCO, Wash.**—Bids for the construction of the 2nd largest bridge between Portland, Ore., and Vancouver, Wash., will be opened by the County Supervisors of Franklin and Walla Walla Counties on September 17th.

The structure will be 1556 feet long of steel construction, and will be constructed across the Snake River on the Inland Empire Highway. It will be divided into six huge spans, the greatest a cantilever span of 300 feet, with two 259-foot anchor arm steel spans, two 260-foot steel spans and one 217-foot steel span.

This structure is estimated to cost \$350,000 and will provide a new thoroughfare from this State into Oregon from the Inland Empire.

## IRRIGATION PROJECTS.

**PROSSER, Wash.**—The \$18,000,000 bond issue with which to finance construction of the Horse Heaven Irrigation District has been approved. The district plans to place 315,000 acres of prairie land under irrigation.

The district occupies practically all of the lower half of Benton County, north of the Columbia River, from which water will be taken to irrigate the land. Several large pumping plants will be installed at Longview, Plymouth and Colbia and carried to the flats where it will be distributed by gravity. The tentative plans provide for concrete lined main canals with earth laterals. The pumping plants are estimated to cost \$2,500,000, the balance of the bond issue to be used in the irrigation system proper.

**TURLOCK, Stanislaus Co., Cal.**—As a result of a recent inspection trip the directors of the Turlock Irrigation District have definitely determined to ask voters of Turlock District for a bond issue of \$500,000 to be employed in providing drainage ditches and canal linings. With the annual special tax provided by law for this purpose the amount available during the next three years for these purposes will be \$600,000.

It is proposed to incorporate this half million bond issue with the amount that will be asked for the construction of the Don Pedro dam and reservoir, petitions for which are now in course of preparation. This will bring the total amount of new bonds to be voted upon up to approximately \$3,200,000, which is something less than \$2 per acre for the entire area of irrigable land in the district.

**MADERA, Madera Co., Cal.**—State Engineer W. F. McClure has approved plans for the proposed Madera Irrigation District, and work on the project will be placed under way as soon as possible. More than 200,000 acres will be put under irrigation. A gravity type concrete dam 310 ft. high and 3900 feet long at the top will be constructed to impound the waters of the San Joaquin River, creating a reservoir with a capacity of one million acre feet.

**HILLSBOROUGH, San Mateo Co., Cal.**—Rudger-Merle Co., 180 Bay St., San Francisco, has offered the Town Trustees to install electroliners for \$85 each, or approximately \$35 for each 50-foot frontage on Main street. The offer has been referred to property owners on Main street, and their decision will be submitted to the Trustees at their next meeting.

## MACHINERY.

**SAN LEANDRO, Alameda Co., Cal.**—The B. F. Crear Machinery Co., 2318 22nd Ave., San Francisco, have submitted an offer to the City Trustees for a rebuilt 10-ton one-cylinder gasoline road roller. As a roller is needed for the street department of the city, the Council appointed the City Marshal to inspect same and report at the next meeting.

**HANFORD, Kings Co., Cal.**—Bids will be received by the Trustees of

the Hanford Union High School District up to September 8th, 9 p. m., for furnishing and delivering to said school two 1½ ton auto busses, capacity about thirty persons, busses to be equipped with pneumatic cord tires.

Further information can be had from George W. Armstead, Clerk of the Board of Trustees of the Hanford Union High School District at Hanford.

**SACRAMENTO, Cal.**—The road planner, ordered by the City Commissioners on trial for smoothing the rough surface on streets in this city, has been lost in shipment, and it is probable that new bids will be asked.

The time for awarding the contract has expired and, according to City Attorney Yell, the City Commission has been advised that the contract can be rescinded and new bids called.

**EL CERRITO, Contra Costa Co., Cal.**—The City Trustees at their next meeting will consider the recommendation presented at the last session, advising the purchase of a grading machine.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

**RICHMOND, Contra Costa Co., Cal.**—The City Council has passed a resolution of intention providing for the improvement of Forty-seventh street between Cutting Boulevard and Potrero avenue by grading, paving with a 5-inch cement concrete base with a wearing surface of asphalt and broken rock, construction of curbs, gutters, sidewalks, drains, all of cement concrete construction, and the construction of concrete and corrugated iron or steel culverts and curb bars of galvanized steel.

**MARYSVILLE, Yuba Co., Cal.**—The City Trustees have passed a resolution of intention providing for the improvement of Fifth street between "B" and "D" streets; Sixth street between "A" and "C" streets and D street from Fifth to Ninth street, by removing 43 linear feet of brick curb, installing 48 feet of 6-inch sewer pipe, constructing 2 catchbasins, concrete curbs and gutters, grading, and laying a bituminous pavement 3 inches thick with a bitulithic wearing surface two inches thick.

Geo. W. Richards is City Clerk.

**SANTA ROSA, Sonoma Co., Cal.**—H. E. Godegast, formerly with the State Highway Commission, and more recently with the Fresno County Highway Commission, has been appointed as assistant engineer on the highway system planned by the Sonoma County Supervisors, under a recently voted bond issue.

**REDDING, Shasta Co., Cal.**—D. E. Henry, Senior Highway Engineer of the office of Public Roads of the United States Department of Agriculture, and Walter H. Chase, Secretary of the Northern California Counties Association, have begun a survey of the roads of Shasta, Modoc, Lassen, Siskiyou and Trinity Counties, with the purpose of estimating the cost of constructing an adequate system of highways in these counties.

Commercial routings, types of construction and estimates will be looked into and reports made to the Boards of Supervisors in the various counties by the Federal Government.

It is hoped to have the survey completed and a report ready for submission at the annual meeting of the Northern California Counties Association, which will be held at Yreka, probably in October.

**PORTERVILLE.** Tulare Co., Cal.—The City Trustees have awarded a contract to the Worswick Construction Co., "I" and San Diego Sts., Fresno, at 7½ cents per square foot for laying a wearing surface on the concrete highway between Porterville and North.

**SAN FRANCISCO.**—A resolution providing for the paving of the Great Highway fronting the Golden Gate Park is being considered by the Street Committee of the Board of Supervisors. It is planned to take the necessary funds from the Good Roads Fund.

The North Beach Promotion Association has filed a petition with the Supervisors asking the improvement of Columbus avenue. It is requested that funds be provided in the new budget.

**NAPA.** Napa Co., Cal.—The Supervisors have instructed the County Surveyor to prepare plans and specifications for grading and covering with crushed rock or gravel two sections of the county road located as follows:

Beginning at a point on road from Rutherford to Pope Valley, near the Dining barn and extending to the Glaucue bridge across Sage Creek, said improvement being in Road District No. 2.

Also beginning at a point on the Berryessa road near the Dr. John F. Robinson ranch, and extending over Napa mountain to the road leading through Wooden Valley, said improvement being located in Road Districts Nos. 4 and 5.

Jas. A. Daly is County Clerk.

**SAN FRANCISCO.**—September 8th is the date set by the Board of Public Works to open bids for the construction of a sewer in Euclid avenue between Parker and Palm avenues.

**MARYSVILLE.** Yuba Co., Cal.—Plans and specifications have been completed by County Surveyor L. B. Crook for road improvement work in District No. 10, north of Marysville. The work is estimated to cost \$60,000. On approval of the plans bids will be called for.

**EL CERRITO.** Contra Costa Co., Cal.—The City Trustees are contemplating the construction of storm sewers and have requested Attorney W. J. Locke of the California League of Municipalities to attend the next meeting of the Board to give opinions on constructing the sewers under the district assessment plan.

**MARTINEZ.** Contra Costa Co., Cal.—Blanchard, Crocker & Howell, 58 2nd street, have been awarded the contract for the construction of Division 14 of the county highway system.

tem, a distance of approximately three miles, east of Oakley connecting with Knightsen. The bid was \$83,616.19.

Other bidders were:  
Bos & O'Brien ..... \$90,790.41  
O'Brien Bros. .... \$9,395.96

**HANFORD.** Kings Co., Cal.—The following bids were received by the Hanford City Trustees for the improvement of the east and west ends of Seventh and Irwin streets north of Eighth street:

Contract awarded to Blanchard Crocker & Howell at \$109,303.43.

Blanchard, Crocker & Howell, 58 2nd street, San Francisco, grading, \$0.025; base and top, \$0.19; curb, \$0.50; gutter, \$0.30.

Hugh Crumney, San Francisco, grading, \$0.35; base and top, \$0.255; curb, \$0.30; gutter, \$0.29.

Raisch Improvement Co., San Francisco, grading, \$0.05; base and top, \$0.30; curb, \$0.80; gutter, \$0.40.

Municipal Improvement Company, San Francisco, grading, \$0.035; base and top, \$0.228; curb, \$0.70; gutter, \$0.24.

George W. C. Baker, grading, \$0.04; base and top, \$0.215; curb, \$0.50; gutter, \$0.24.

Thompson Bros., Fresno, grading, \$0.038 per square foot; bituminous base 4 inches thick and 1½-inch wearing surface, per square foot, \$0.218; Class B curb, per square foot, \$0.76; gutter, \$0.24.

Federal Construction Company, San Francisco, grading, \$0.035; base and top, \$0.245; curb, \$0.60; gutter, \$0.30.

A. Teichert & Son, Sacramento, grading, \$0.35; base and top, \$0.219; curb, \$0.55; gutter, \$0.245.

**WOODLAND.** Yolo Co., Cal.—Lessening the distance from Marysville, Yuba City and other northern cities to San Francisco by over thirty miles, a new State Highway route has been proposed by County Surveyor A. G. Proctor. Yolo County has already taken steps to build a highway from Knights Landing to Woodland. The Yolo Surveyor proposes that Yuba and Sutter Counties connect their roadways by building through to Knights Landing.

Over half of the travel is directed to Sacramento now because of a lack of a Sutter road to Knights Landing. The new route would greatly increase travel through Marysville, Yuba City, Knights Landing and Woodland.

**CHICO.** Butte Co., Cal.—The City Trustees have decided to have the paving of Fourth street done by private contract. It has been found that the grade of the street differs by several inches from the grade of Main street.

**MARTINEZ.** Contra Costa Co., Cal.—Bids have been ordered received by the County Supervisors up to September 15th, 11 a. m., for building a macadam base and tile drainage on portion of Division No. 10 of County Highway.

Separate bids will also be received on the same date for the building of two concrete culverts upon Division No. 18 of the County Highway which lies between the town of Alamo and the town of Danville.

Plans and further information may

be had from J. H. Wells, County Clerk; at Martinez.

**SACRAMENTO.** Cal.—The following award has been made by the Advisory Board of the Department of Engineering on August 20, 1919:

To Prendergast Construction Co., 320 So. St. Andrews Place, Los Angeles, Cal., for the construction of a section of the State highway in Los Angeles County, Division VII-Route 23-Section B, between Santa Clara River and Williams Ranch, about 1.9 miles in length.) Contract price, \$37,999.80.

**REDWOOD CITY.** San Mateo Co., Cal.—The following bids were received by the City Trustees for the improvement of Maple street, and the contract was awarded to C. B. Cowden, 2078 Green St., San Francisco, at \$4,396.05.

C. J. Lindgren, Burlingame, \$4,586.27  
Dreyfus Bros., San Mateo ..... 5,562.45  
Bos & O'Brien, San Francisco 5,189.03

**MERCED.** Merced Co., Cal.—The County Supervisors have awarded contracts to the following firms for furnishing an delivering cement for use in the construction of the county highway system:

Pacific Portland Cement Company, 1,150 barrels at \$3.25 per barrel, to be delivered at Dos Palos; Henry Cowell Lime & Cement Company, 2,650 barrels at \$3.31 per barrel to be delivered at Winton, Santa Cruz Portland Cement Company, 2,650 barrels at \$3.31 per barrel, delivered at Atwater.

**CENTRALIA.** Wash.—The contract for paving in the north end of the city, including D St., Fourth St., Tower Ave. and the roadway from Tower Ave. to the end of the viaduct, has been let by the City Commission to Alfred, James & Hendricks and Albers & Son for \$33,353.85. The only other bid was that of Jarvis & Ward for \$33,453.80. The engineer's estimate was \$33,489.70.

**SANTA CRUZ.** Santa Cruz Co., Cal.—The City Council has passed a resolution of intention providing for the widening and improvement of River street and the extension of Pacific avenue.

Plans for the work have been completed by the City Engineer and bids will be called for shortly.

**LODI.** San Joaquin Co., Cal.—The City Trustees have overruled the protests of property owners and have ordered the improvement of Walnut Street and East Oak Street.

**MEXICALI.** San Diego Co., Cal.—Henry Clarke Co., 1101 East Fifth St., Los Angeles, has been awarded the contract for the construction of a water works system for the City of Mexicali. The water will be taken from the high-line canal at Seven-Foot Drop. The work will include the construction of pipe lines, settling basins, a 2,500,000 gallon storage tank, etc. The cost is estimated at \$250,000.

**SAN DIEGO.** Cal.—The City Engineer has completed plans and will submit them to the City Council at once for paving Rosecrans St. from Lytton St. to the Government reserva-

ion at Point Loma. The improvement will be about four miles in length and will cost about \$89,000. The Government will continue the paving within the reservation at a cost of about \$76,000.

**NAPA, Napa Co., Cal.**—Bids will be received up to September 11, 10 a. m., by the County Supervisors for furnishing and delivering to Napa County 60,000 barrels, more or less, of Portland cement, in car load lots, f. o. b. Napa, Yountville, St. Helena and way stations, also other points as the County Board may desire.

Further information may be had from James A. Daly, County Clerk.

**MERCED, Merced Co., Cal.**—The County Supervisors have awarded a contract to the E. B. & A. L. Stone Co., Rialto Bldg., San Francisco, for furnishing for use on the County Highway system, 2,200 tons of coarse aggregate delivered at Atwater and 950 tons delivered at Dos Palos, and to the Riverrock Sand and Gravel Co., for 2,200 tons of coarse aggregate delivered at Winton.

**NAPA, Napa Co., Cal.**—The County Supervisors, James A. Daly, County Clerk, has instructed the County Engineer to prepare plans and estimates for scarifying the county road from Union Station west to the bridge across Napa Creek, and on the Dry Creek road from its intersection with Orchard avenue south to the Jefferson School House.

The Engineer was also ordered to make a survey of a proposed change in the road east of Oakville and to estimate the cost of building the road, the right of way to be acquired, and of the bridge.

**NAPA, Napa Co., Cal.**—The following bids were received by the County Supervisors for grading the county highway near Yountville:

P. Montague, 110 Jessie St., San Francisco \$7,306  
George Errington, Napa \$9,083

Contract was awarded to Montague. Montague was also awarded the contract for the grading of the county road near the St. Helena Sanitarium at \$2,751.80.

James A. Daly is County Clerk.

**EUREKA, Humboldt Co., Cal.**—The City Council has adopted an ordinance providing for the extension of Fifth street in a westerly direction to cross the commercial addition to Commercial street. An assessment district, which will extend as far as I street, has been formed to finance the work.

**EUREKA, Humboldt Co., Cal.**—The County Supervisors have instructed the County Engineer to prepare plans for a section of road three-quarters of a mile in length, which the county will be required to build in connection with the new bridge across the Van Duzen River at Dinsmores. (29796) E

**OAKLAND, Cal.**—Bids will be received by the City Council, L. W. Cummings, City Clerk, up to 12 M., September 11th, for the improvement of Jefferson street from First to Seventh street, by grading, construction of

brick gutters, concrete curbs and the laying of an asphalt pavement.

Plans may be had from the City Clerk.

**COLUSA, Colusa Co., Cal.**—The City Trustees have awarded a contract to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento, for the paving of cross streets or laterals running from Market to Main, the work including the improvement of cross streets from the bridge, or eastern city limits, to the extreme western limits of the city, with the paving of Fourth street extending to Jay St.

Other bidders for the work were: Chico Construction Co., McGillivray Construction Co., and A. Teichart & Sons.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has awarded contracts for street improvements as follows:

To Hutchinson Co., 444 17th St., Oakland, for the improvement of Bromley avenue from 62nd avenue to Seminary avenue, by grading, construction of redwood curbs and concrete gutters and laying an oil macadam pavement.

To Ransome-Randle Co., 28th and Poplar Sts., Oakland, for the improvement of the south half of 16th street from the west line of Adeline to the east line of Kirkham street, by grading, construction of concrete curbs and brick gutters, 14 inches wide, and paving with an asphalt pavement.

**SACRAMENTO, Cal.**—The City Commissioners, M. J. Desmond, City Clerk, have adopted plans and passed a resolution of intention providing for the improvement of the alley between Q and R streets from the east line of 6th street to the west line of 7th street, by grading, constructing an asphaltic concrete foundation 4 inches thick and a bitulithic wearing surface 1½ inches thick, construction of concrete catchbasins with C. I. curbs and covers and connecting same with vitrified ironstone sewer pipe.

**SAN FRANCISCO.**—The Isbell Construction Co., of Fresno, submitted the lowest bid, at \$42,853, to the Bureau of Public Roads, U. S. Department of Agriculture, Room 886 Mills Bldg., for the improvement of the National Forest Road project, located within or partly within the Sierra National Forest, Fresno County.

**EUREKA, Humboldt Co., Cal.**—Bids will be received by the County Supervisors up to September 8, 2 p. m., for graveling, with from one to three yards to the rod of Eel River gravel, about three-fourths of a mile of the Table Bluff road between the Table Bluff Hotel and the Lighthouse, beginning at John Fitzsimmons' and running toward David Fitzsimmons'.

The county will furnish a man to measure and spread the gravel which is to be hauled and dumped under his supervision.

Further information may be had from County Clerk Fred M. Kay.

**OAKLAND, Cal.**—The City Council has passed a resolution of intention providing for the improvement of 26th avenue from the north line of Foot-hill Boulevard to the southwest line

of 22nd street by grading, construction of concrete gutters, 3 feet wide, paved with an oil macadam, and the construction of concrete sidewalks, vitrified pipe conduits, 3 brick storm water inlets with cast iron tops and 3 brick manholes.

L. W. Cummings is City Clerk.

**COLUSA, Colusa Co., Cal.**—Bids will be received by the City Trustees, B. L. McCue, City Clerk, up to September 8th, 8 p. m., for the improvement of the following streets and alleys: Main St. from a line 160 feet west of Fourth St. to Eighth St.; Fifth St. from the N line of Main St. to the S line of the alley running E and W bet Main and Levee Sts., and from the N line of said alley running E and W to a line parallel with and 20 feet S of the S line of Levee St.

Sixth St. and Seventh St., each from the N line of Market St. to the S line of the alley running E and W bet Market and Main Sts., and from the N line of said alley running E and W, to the S line of Main St., by grading, construction of concrete curbs and gutters and laying a bitulithic pavement consisting of a hydraulic concrete base 4 inches thick and a bitulithic wearing surface 2 inches thick; also the improvement of the alley bet Market and Main Sts. from the W line of Sixth St. to the W line of Seventh St., by grading and laying a bitulithic pavement consisting of a hydraulic concrete base 4 inches thick and a bitulithic wearing surface 2 inches thick.

**SAN FRANCISCO.**—The improvement of Lincoln Way between thirty-seventh avenue and Fortieth avenue by the construction of artificial stone sidewalks; awarded to L. J. Gallagher.

**SACRAMENTO, Cal.**—Bids will be received by the California State Highway Commission, 515 Forum Bldg., Sacramento, until 2 o'clock p. m., September 22, 1919, for the following highway improvement

Los Angeles County, between two miles north of Acton and Palmdale (VII-LA.-23-E), about 8.6 miles in length, to be paved with Portland cement concrete.

Ventura County, between Russell Ranch and the former easterly boundary (VII-LA.-2-C), about 1.3 miles in length, to be paved with Portland cement concrete.

Ventura County, between the Southern Boundary and Conejo Grade (VII-VEN-2-A & B), about 5.2 mile sin length, to be paved with Portland cement concrete.

For further information see official proposal in the Daily Pacific Builder, or address Austin B. Fletcher, Highway Engineer, Sacramento.

**PETALUMA, Sonoma Co., Cal.**—Fire Chief Adams has recommended to the City Council that a 10-inch water main be installed in Main street. The matter has been referred to the Street Committee for report.

**COLUSA, Colusa Co., Cal.**—The City Trustees have decided to improve the following streets under the Vrooman Act: First St. from Oak to Parkhill; Clay from A to Second; Eleventh from

Market to Oak; Oak from Tenth to Twelfth. The Board will also grade up Parkhill from Sixth to Seventh without the formality of applying the law, as the property owners are asking that it be done.

MARTINEZ, Contra Costa Co., Cal.—Owing to protests filed by J. J. McNamara, the City Trustees have changed the paving specifications recently adopted to read "Warrenite or equivalent." McNamara stated that specifying a certain kind of pavement which carries a patent, was giving too much power to the company owning the patent.

SAN FRANCISCO—The following bids were received by the Board of Public Works for street improvements:

Wayland street between Brussels and Girard.....	\$3,750.40
Pay Improvement Co.....	\$3,750.40
Blanchard, Crocker & Howell.....	\$3,739.00
Raisch Improvement Co.....	3,384.00
Brussels street between Bacon and Woolsey.....	
Pay Improvement Co.....	\$12,102.54
Blanchard, Crocker & Howell.....	11,906.01
Raisch Improvement Co.....	11,173.32

SACRAMENTO, Cal.—The following bids were received on August 25th by the State Highway Commission for highway improvement in Lake, Santa Barbara, Ventura and Los Angeles Counties:

Lake County, between the westerly boundary and Lakeport (1-Lak-16-A), about 9.4 miles in length to be graded. Erickson & Peterson, S. F.....	\$116,100.90
W. J. Schmidt, Berkeley.....	123,721.20
F. Rolandi, S. F.....	124,916.00
T. M. Olney, Oakland.....	139,519.60
Jas. P. Holland, S. F.....	123,985.60
A. J. Fairbanks, Willits.....	123,904.60
Engineer's estimate.....	\$98,140.90

Santa Barbara County, between Divide and Orcutt (V-S.B.-2-A), about 3.6 miles in length to be paved with Portland cement concrete: Jas. L. Connors, L. A.....	\$39,436.50
S. C. McIntire, Stockton.....	38,116.00
Engineer's estimate.....	\$42,594.60

Ventura County, between the southerly boundary and Conejo Grade (VII-VEN-2-A & B), about 5.2 miles in length to be paved with Portland cement concrete.

No bids received.

Los Angeles County, between Lan-kershim Boulevard and South Sherman Way, (VII-LA.-2-A), about 5.2 miles in length, to be paved with Portland cement concrete and asphaltic surfacing.

Bryant & Austin, Inc., L. A.....\$48,177.50  
Fairchild - Gilmore - Wilton,

Los Angeles.....	54,707.00
Los Angeles Paving Co., L. A.....	62,690.20
Geo. R. Curtis, L. A.....	51,785.00
Engineer's estimate.....	\$80,676.00

Los Angeles County, between Russell Ranch and the westerly boundary VII-LA.-2-C), about 1.3 miles in length, to be paved with Portland cement concrete.

No bids received.

STOCKTON, San Joaquin Co., Cal.—Only one bid was received by the City Council for the construction of a concrete culvert over Miner avenue at Hunter street. The bid was that of Shepherd & Riley, Stockton, at \$2,762.

It was taken under advisement.

## RAILROADS.

SAN FRANCISCO—Bids will be received by the Board of Public Works up to September 8th for the construction of a spur track on Polk street between Geary and Post streets. The work is provided for under contract No. 120 of the Municipal Railway system.

Plans may be had from the City Engineer's office, 3rd floor, City Hall.

## FIRE EQUIPMENT.

CHICO, Butte Co., Cal.—The City Trustees have accepted the bid of the American-La France Company, 151 New Montgomery St., San Francisco, for furnishing and delivering a triple combination motor fire truck. The truck will cost \$10,750.

## SHIPBUILDING SLACKENS IN SOME OF JAPAN'S YARDS.

Information has been brought from the Orient that shipbuilding in Japan is slowing down considerably in some of the yards. At the Osaka dockyard three thousand men were laid off recently. At a meeting of the directors the president of the company explained that a loss of approximately 3,620,000 yen had been sustained.

The Kawasaki Dock Yard Company, one of the largest shipbuilding concerns in the Orient, is reported as having considerable work on hand. The firm has contracts for three cruisers and two destroyers for the Japanese navy, five steamers for interests in the United States and thirty vessels of from 6800 to 9100 tons.

## BUTTE COUNTY IMPROVES ROADS

OROVILLE, Butte Co., Cal.—Butte County expended \$271,000 on its roads and bridges during the last fiscal year, according to the annual report of County Road Engineer M. C. Polk to the Board of Supervisors.

Of this sum \$77,000 was expended for repair and maintenance of old roads and \$73,000 for new roads.

The total receipts of the road fund were \$280,000, of which a balance of \$9,000 remains.

## HITTING IT THE FIRST TIME AROUND.

It is reported that since July 1st manufacturers have been making key-holes much smaller.

## UNITED STATES CIVIL SERVICE EXAMINATION.

Civil service examinations for light-house service, superintendent of melting shops, superintendent of forge shops, and associate mechanical engineer will be held very soon. Get full information at Post Office, 7th and Mission streets.

London Company. Monaduoci Building submitted the lowest bid to the Antioch Trustees, and was awarded the contract for the two-story and basement concrete city hall. The bid was \$46,350. Plans were prepared by Architect Benj. G. McDougall, Sheldon Building.

Architects W. C. Perry and G. B. Sturgeon, Newhall Building, will shortly take figures for a two-story Class "C" municipal city hall and auditorium to be erected for the city of Tulare.

Architect E. L. Norberg, Bankers Investment Building, is preparing plans for extensive alterations to be made on the residence of Mrs. Josephine McCabe in Burlingame.

Architect H. C. Baumann, 251 Kearny street, is preparing plans for five one-story and basement frame bungalows to be erected in Westwood Park. These buildings will be erected in addition to those already undergoing construction under the supervision of Mr. Baumann. The buildings will cost between \$5,000 and \$6,500 each.

Architect Henry H. Meyers, Kohl Building, is preparing plans for an addition to the Washington School in Alameda. The work will cost about \$10,000. Plans will be ready for figures in about two weeks.

There is only one man on record who didn't fall when he refused to keep up with progress—He died the day before he failed.

Architect Joseph Cahen, 333 Kearny street, will shortly take figures for extensive alterations to be made on a store building for Reich & Lieve on Santa Clara avenue in San Jose. The work will cost about \$25,000.

The Simmons Company, 198 Bay street, has awarded a contract to Frank B. Peake, 1247 42nd avenue, for the erection of a three-story brick and mill construction factory to be erected at the northwest corner of Bay and Stockton streets. The building will cover a ground area of 136 by 275 feet, and will cost \$100,000.

Architect Carl Werner, Phelan Building, has completed plans and segregated figures are being taken for the first unit of a two-story reinforced concrete hospital building to be erected in the Fruitvale Hills, Alameda County, for the California Memorial Hospital Company, 147 Monadnock Building. Plans may be had from Mr. Hobson at the office of the owners.

Bids for the excavation, granite, concrete, terra cotta and rough carpentry work for the State Building to be erected in the San Francisco Civic Center, will be opened at Sacramento on September 22nd. Bids for the fabrication, delivery and erection of the steel will be opened on the same date, the time having been extended from September 5th. Plans for the building were prepared by Architects Bliss & Paville, Balboa Building.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1782	Hirsh	Owner	2000
2783	City Inv.	Grace	1500
1784	Zonie	Owner	445
1785	Hansen	Hansen	5000
1786	Dorn	Pasqualetti	7500
1787	Battaini	Ghiotto	1900
1788	Cal. Brewing	Barrett	2199
1789	Bjors	Owner	3000
1790	Hudson	Duval	1500
1791	Klein	Swenson	480
1792	Owl Drug	Fink	1000
1793	McPhedion	Douglas	400
1794	Whittell	Owner	400
1795	Friedlander	Owner	850
1796	Kelly	Ingraham	1300
1797	Liebold	Fink	450
1798	Marx	Deibel	7600
1799	Nelson	Nelson	13000
1800	Curtaz	Helbing	35000
1801	Rousseau	Owner	12500
1802	Mission Ter.	Lewis	2950
1803	Mission Ter.	Lewis	3900
1804	Bassett	Olsen	1500
1805	Jonsnon	Moller	900
1806	Henno	Olsen	950
1807	Poley	Owner	500
1808	Furlong	McDonald	400
1809	Paynes	Healy	19217
1810	Cancilla	Monson	5000
1811	Crocker Est.	Samuelson	3000
1812	Beverson	Owner	450
1813	Orland	Sullivan	400
1814	Manning	Deibel	950
1815	Price	Glaser	1350
1816	Fleet Recp.	Wilson	2500
1817	Anderson	Owner	45000
1818	Helbush	Owner	50000
1819	DePue	Kales	15500
1820	Botts	Lynch	5884
1821	Sale	Leigh	5000
1822	Bernheim	Owner	1000
1823	Parsons	Farquharson	1500
1824	Luttinger	Owner	600
1825	Hurley	Fennell	1000
1826	Whittell	Robinson	900
1827	Rigney	Owner	12000
1828	Saniter	Barrett	500
1829	Tillford	Pearson	400
1830	S. F. Rity	Heaphy	900
1831	R. C. Archb.	Standard	1376
1832	R. C. Archb.	Leonard	6950
1833	Pac. Flt Recp.	Vovinkel	750
1834	Same	Same	1170
1835	Same	Same	500
1836	Same	Same	1250
1837	Same	Same	840
1838	Same	Same	200
1839	Same	Same	2000
1840	Hamburger	Fontanello	475
1841	Bielenberg	Owner	400
1842	Deihl	Field	400
1843	Klenk	Owner	400
1844	Hanfy	Kronick	19750
1845	Hanfy	Coleman	2760
1846	Blair	Grell	8300
1847	Balfour	Dillon	3600

(1782) NO. 330 ARGUELLO BLVD.  
Add two rooms and bath to residence.

Owner—M. Hirsh, care architect.  
Architect—Edw. E. Young, 251 Kearny, San Francisco.  
Day's work. COST, \$2000

ALTERATION  
(1783) NO. 733 MARKET. Alter show window and entrance.  
Owner—City Investment Co., 1st National Bank Bldg., San Francisco.  
Architect—None.  
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.  
COST, \$1500

(1784) NO. 131 GRANADA. Change front, concrete sidewalk, steps, floor.  
Owner—J. Zonie, Premises.  
Architect—None.  
Day's work. COST, \$445

(1785) W RITCH 183-4 N Townsend. One-story brick and frame shop.  
Owner—C. W. Hansen, 260 Townsend, San Francisco.  
Architect—C. O. Clausen, Hearst Bldg., San Francisco.  
Contractor—H. E. Hansen, 423 30th Ave., San Francisco.  
COST, \$5000

ALTERATION  
(1786) SE CLAY and Davis. Alter warehouse.  
Owner—N. A. Dorn, Phelan Bldg., San Francisco.  
Architect—None.  
Contractor—J. Pasqualetti, 785 Market, San Francisco.  
COST, \$7500

DWELLING  
(1787) E DELANO 200 S Santa Ynez. One-story and basement frame dwelling.  
Owner—L. Battaini, 231 Delano.  
Architect—None.  
Contractor—Bert Ghiotto, 231 Delano, San Francisco.  
COST, \$1900

ADDITION  
(1788) SE FULTON and WEBSTER. Excavation, concrete, steel, carpenter work, etc., for a reinforced concrete building addition to boiler house.  
Owner—The California Brewing Association, Premises.  
Engineer—Jas. T. Ludlow, 604 Mission, San Francisco.  
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.  
Filed Aug. 25, '19. Dated Aug. 19, '19.  
On 1st of each month ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$2190  
Bond, Sureties, none. Forfeit, \$10.  
Limit, 30 days. Plans and specifications filed.

DWELLING  
(1789) N EIGHTEENTH 225 W Sanchez. Two-story and basement frame dwelling.  
Owner—Victor Bjors, 3573 19th, San

Francisco.  
Architect—None.  
Day's work. COST, \$3000

ALTERATION  
(1790) NO. 222 POWELL. Alter store front.  
Owner—Hudson Bay Fur Co., Prem.  
Architect—A. R. Denke, 1087 Market, San Francisco.  
Contractor—Duval & Son, Dalziel Bldg., Oakland.  
COST, \$1500

ALTERATION  
(1791) NO. 535 GRANT AVE. Alter store.  
Owner—Philip Klein, 39 Grant Ave., San Francisco.  
Architect—None.  
Contractor—Swenson & Franzen, 145 Natoma, San Francisco.  
COST, \$480

ALTERATION  
(1792) NO. 121 SECOND. Erect partition, rearrange plumbing.  
Owner—Owl Drug Co., 611 Mission, San Francisco.  
Architect—None.  
Contractor—Fink & Schindler Co., 228 13th, San Francisco.  
COST, \$1000

ALTERATION  
(1793) S SADOWA 450 E Capital. Raise and alter cottage.  
Owner—Mrs. E. M. McPhedron, 183 Sagamore, San Francisco.  
Architect—None.  
Contractor—Andrew Douglass.  
COST, \$400

ALTERATION  
(1794) NO. 216 STOCKTON. Alter in drug store.  
Owner—Whittell Realty Co., 166 Geary St., San Francisco.  
Architect—None.  
Day's work. COST, \$400

ALTERATION  
(1795) NO. 446 SIXTH. Remove wood and place concrete floor.  
Owner—H. J. Friedlander, Pine and Battery, San Francisco.  
Architect—None.  
Day's labor. COST, \$850

ALTERATION  
(1796) NW DAY AND SAN JOSE. Alter for one-story frame dwelling.  
Owner—E. N. Kelly, Premises.  
Architect—M. J. Welsh, 905 Treat Av., San Francisco.  
Contractor—M. C. Ingraham, 450 Duocoe Ave., San Francisco.  
COST, \$1300

RAISE  
(1797) NO. 1070 MISSION. Raise factory, reinforce with steel frame.  
Owner—Liehold Candy Co., Premises.  
Architect—None.  
Contractor—Fink & Schindler Co., 226 13th, San Francisco.  
COST, \$1500

STORE BLDG.  
(1798) S STEVENSON 50 W 12th, W  
75-11x S 50. All work for a one-  
story brick store building.  
Owner—M. L. Marx, 1366 Mission St.,  
San Francisco.

Architect—Jos. L. Stewart, Claus  
Spreckels Bldg., San Francisco.  
Contractor—Louis J. Deibel, 2453  
Buchanan, San Francisco.  
Filed Aug. 26, '19. Dated Aug. 25, '19.  
Brick work finished .....\$1900  
Plastering finished ..... 1900  
Completed and accepted ..... 1900  
Usual 35 days ..... 1900

TOTAL COST, \$7600

Bond, \$3800. Sureties, Harold W. Law  
and T. P. Curran. Forfeit, none. Lim-  
it, shortest possible time. Plans and  
specifications filed.

#### BUNGALOWS

(1799) LOTS 3 AND 5, BLK 3165,  
Westwood Park. All work for two  
one-story frame bungalows.  
Owner—Hans Nelson, 30 Northwood  
Drive, San Francisco.

Architect—None.  
Contractor—Nelson Bros., 30 North-  
wood Drive, San Francisco.  
Filed Aug. 26, '19. Dated July 31, '19.  
Frame up, enclosed & roof on.....\$3250  
Brown coated ..... 3250  
Completed and accepted ..... 3250  
Usual 35 days ..... 3250

TOTAL COST, \$13,000

Bond, \$6500. Sureties, Chas. Monson  
and Edwin T. Peterson. Forfeit, none.  
Limit, 90 days. Plans and specifica-  
tions filed.

#### SHOP

(1800) NE GOLDEN GATE & Gough.  
Two-story concrete shop, 55x120.  
Owner—O. H. Curtaz, 521 Hayes, San  
Francisco.  
Architect—None.  
Superintendent—Wm. Helbing, 521  
Hayes, San Francisco.

COST, \$35,000

#### SHOP

(1801) S FELL 165 E Franklin. One-  
story Class C workshop, 27x120.  
Owner—Arthur F. Rousseau, 110 Sutter,  
San Francisco.  
Architect—Rousseau & Rousseau, 110  
Sutter, San Francisco.  
Day's work. COST, \$12,500

#### DWELLING

(1802) SE SANTA YNEZ and Otsego.  
One-story and basement frame  
dwelling.  
Owner—Mission Terrace Co., 318  
Kearny, San Francisco.  
Architect—H. C. Baumann, 251 Kear-  
ny, San Francisco.  
Contractor—H. C. Lewis, 68 Post St.,  
San Francisco.

COST, \$2950

#### DWELLINGS

(1803) E OTSEGO 32 and 70 S Santa  
Ynez. Two one-story and basement  
frame dwellings.  
Owner—Mission Terrace Co., 318  
Kearny, San Francisco.  
Architect—H. C. Baumann, 251 Kear-  
ny, San Francisco.  
Contractor—H. C. Lewis, 68 Post St.,  
San Francisco.

COST (each) \$2950

#### SHOP

(1804) NO. 1790 OCEAN AVE. One-  
story concrete auto repair shop.

Owner—W. M. Bassett, 1790 Ocean  
Ave., San Francisco.  
Architect—None.  
Contractor—Olaf Olsen, 1214 Stanyan,  
San Francisco.

COST, \$1,500

#### ALTERATION

(1805) NW MISSION and 6th. Alter  
for store.  
Owner—W. C. Johnson, 92 6th, San  
Francisco.  
Architect—None.  
Contractor—Moller & Sons, 520 Jes-  
sie, San Francisco.

COST, \$900

#### REPAIRS

(1806) NO. 4 BRUCE. Repairs to  
dwelling.  
Owner—L. Henno, Premises.  
Architect—None.  
Contractor—Olaf Olsen, 1214 Stanyan,  
San Francisco.

COST, \$950

#### FOUNDATION

(1807) E CLIPPER 320 — Noe. Un-  
derpin; concrete foundation.  
Owner—Dennis Foley, 1272 Dolores,  
San Francisco.  
Architect—None.  
Day's work.

COST, \$700

#### FLOOR

(1808) NO. 815 Irving. New floor in  
store.  
Owner—B. Furlong, 1307 9th Ave.,  
San Francisco.  
Architect—None.  
Contractor—B. McDonald, 1246 Gth  
Ave., San Francisco.

COST, \$400

#### BUILDING

(1809) SE HOWARD 45-10 NE Main  
SE 137-6xSW 45-10. All work of  
removal of buildings, sheds, fences,  
cleaning brick, excavating, bulk-  
heading, pumping, pile driving, etc.  
for foundation for a Class C Bldg.  
Owner—Paynes Bolt Works, 133 How-  
ard, San Francisco.  
Architect—Nathaniel Blaisdell, 255  
California St., San Francisco.  
Contractor—Healy-Tibbitts Construc-  
tion Co., 9 Main St., S. F.  
Filed Aug. 27, '19. Dated Aug. 11, '19.  
Underside of basement floor  
and streets are bulkheaded.....\$6000  
All piles are driven ..... 7250  
Completed and accepted ..... 1162  
Usual 35 days ..... 4805

TOTAL COST, \$19,217

Bond, \$9609. Sureties, K. E. Parker  
and Paul B. Pay. Forfeit, \$20. Limit,  
60 days. Plans and specifications filed.

#### BUILDING

(1810) S FILBERT 82-6 E Jones E  
40xS 137-6 All work for one-story  
frame store building, removal of  
present building.  
Owner—Vincent and Rosa Cancelli,  
971 Filbert, San Francisco.  
Architect—W. Jones & Cuthbertson,  
2265 Market, San Francisco.  
Contractor—F. Monson, 180 Jessie St.,  
San Francisco.  
Filed Aug. 27, '19. Dated Aug. 27, '19.  
Frame up, bulkheading, grad-  
ing done and moved building  
in place .....\$1250  
Rough plumbing in, building  
enclosed and 1st coat plas-  
ter on ..... 1250  
Completed ..... 1250  
Usual 35 days ..... 1250

TOTAL COST, \$5000

Bond, \$2500. Sureties, O. and Chas  
Monson. Forfeit, \$5.00. Limit, 90  
days. Plans and specifications filed

#### DWELLING

(1811) E NAPLES 150 N Geneva  
One-story and basement frame  
dwelling, 25x44.  
Owner—Crocker Est. Co., Crocker  
Bldg., San Francisco.  
Architect—None.  
Contractor—A. M. Samuelson, 290  
Rolph, San Francisco.

COST, \$3000

#### DWELLING

(1812) E PLYMOUTH 125 S Lake-  
view. Two-story frame dwelling,  
10x18.  
Owner—Martin Beverson, 806 Ply-  
mouth Ave., San Francisco.  
Architect—None.  
Day's work.

COST, \$450

#### MOVE AND ALTER

(1813) S JEFFERSON 137-6 W Jones  
Move and alter shops.  
Owner—Antonio Orlando, 823 Lom-  
bard, San Francisco.  
Architect—None.  
Contractor—D. J. & T. Sullivan, 1940  
Folsom, San Francisco.

COST, \$400

#### ALTERATIONS

(1814) NO. 1621 TURK. Alter two  
flats, electric work, plumbing and  
painting.  
Owner—Mr. Manning, Premises.  
Architect—None.  
Contractor—L. J. Deibel, 2453 Bu-  
chanan, San Francisco.

COST, \$950

#### OVEN

(1815) NO. 628 CLEMENT. Install  
brick bake oven.  
Owner—A. B. Price, 41 Stockton St.,  
San Francisco.  
Architect—None.  
Contractor—J. P. Glaser, 110 Jessie  
St., San Francisco.

COST, \$1050

(1816) LOCATION —. All work to  
produce fireworks, designs, for same  
and remove debris after displays be-  
tween Sept. 1, 1919 and September  
10, 1919.

Owner—Pacific Fleet and President's  
Reception and War Women's Day  
Committee.

Architect—None.  
Contractor—W. H. Wilson, Prop. Wil-  
son's Fireworks Co.  
Filed Aug. 28, '19. Dated Aug. 22, '19.  
When agreement has been ful-  
filled .....\$2500

TOTAL COST, \$2500

Bond, Sureties. Forfeit, none. Limit,  
between Sept. 1 and Sept. 10, 1919.  
Specifications only filed.

#### APARTMENTS

(1817) W COMMONWEALTH 100 N  
Garry. Three-story and basement  
frame (6) apartments, 40x99½.  
Owner—O. E. Anderson, 40 Atalaya  
Terrace, San Francisco.  
Architect—A. H. Knoll, Hearst Bldg.,  
San Francisco.  
Day's work.

COST, \$45,000

#### APARTMENTS

(1818) NE EMMA and Stockton. Five  
story and basement brick (16)  
apartments, 40x110.  
Owner—H. H. Helbush, 23 Sutter St.,  
San Francisco.



Architect—Edw. E. Young, 251 Keatney St., San Francisco.  
Day's work. COST, \$50,000

**SHOP**  
(1819) S GEARY 53-9 E Polk. One-story brick shop, 58-9x120.  
Owner—The De Pue Estate, Merchants Exchange Bldg., S. F.  
Architect—Fred. H. Meyer, Bankers Investment Bldg., San Francisco.  
Contractor—Frank Kales, Monadnock Bldg., San Francisco.  
COST, \$15,500

**ALTERATIONS**  
(1820) NE CALIFORNIA and Front.  
Remove concrete vault, new oak vestibule, change pine to oak trim.  
Owner—J. M. Botts, 149 California St., San Francisco.  
Architect—C. W. McCall, Central Bk. Bldg., Oakland.  
Contractor—P. J. Lynch, 180 Jessie, San Francisco.  
COST, \$5,884

**DWELLING**  
(1821) N CALIFORNIA 95 W 24th Ave. Two-story and basement frame dwelling.  
Owner—W. H. Sale, 25th and Clement, San Francisco.  
Architect—None.  
Contractor—David Leigh, 840 44th Ave., San Francisco.  
COST, \$5,000

**ALTERATION**  
(1822) SE PINE and Webster. Alter for apartment lobby.  
Owner—H. W. Bernheim, 1860 Webster.  
Architect—A. H. Knoll, Hearst Bldg., San Francisco.  
Day's work. COST, \$1,000

**ALTERATION**  
(1823) NO. 3560 WASHINGTON ST.  
Alter for dwelling, concrete sidewalk and steps.  
Owner—A. E. Parsons, Premises.  
Architect—None.  
Contractor—D. B. Farquharson, 1760 Ellis St., San Francisco.  
COST, \$1,500

**ALTERATION**  
(1824) SW HARRINGTON and Mission. Alter store front.  
Owner—Mrs. Chas. Luttinger, 4552 Mission, San Francisco.  
Architect—None.  
Day's work. COST, \$600

**ALTERATION**  
(1825) NO. 124 POST ST.. Tile floor in store, plumbing work.  
Owner—Hurley Machinery Co., Prem.  
Architect—None.  
Contractor—Pennell & Chisholm, 180 Jessie, San Francisco.  
COST, \$1,000

**ALTERATION**  
(1826) NO. 216 STOCKTON. Alter for store.  
Owner—Whittell Estate, Premises.  
Architect—None.  
Contractor—Robinson & Gillespie, 1051 Sutter, San Francisco.  
COST, \$900

**ALTERATION**  
(1827) SE CLAY and Spruce. Alter apartments.

Owner—Miss Hannah Rigney, Beaumont Apts., Sacramento and Jones, San Francisco.  
Architect—W. G. Hind and J. A. Magee, 661 Phelan Bldg., S. F.  
Day's work. COST, \$12,000

**ADDITION**  
(1828) 2037 SCOTT. Add sleeping porch.  
Owner—F. L. Saniter, Premises.  
Architect—S. L. Hyman, Crocker Bldg., San Francisco.  
Contractor—Barrett & Hulp, Sharon Bldg., San Francisco.  
COST, \$500

**ALTERATION**  
(1829) NO. 342 PARK ST. Raise and alter cottage.  
Owner—Mrs. E. Tillford, Premises.  
Architect—None.  
Contractor—E. K. Pearson, 2372 Bryant St., San Francisco.  
COST, \$400

**ALTERATION**  
(1830) NO. 240 MONTGOMERY ST.  
Alter for offices.  
Owner—San Francisco Realty Co., Premises.  
Architect—None.  
Contractor—J. J. Heaphy, 51 Trinity, San Francisco.  
COST, \$900

**ELECTRICAL WORK**  
(1831) E FOURTEENTH AVE. 90 S Irving. Electrical work for Saint Annes School Building.  
Owner—The Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.  
Architect—W. D. Shea and H. A. Min-ton, 244 Kearny, San Francisco.  
Contractor—The Standard Electrical Construction Co.  
Filed Aug. 29, '19. Dated Aug. 27, '19.  
First of each month ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$1376

Bond, \$688. Sureties, Allan St. J. Bowie and H. B. Debrick, Forfeit, none. Limit, Jan. 15, 1920. Plans and specifications filed.

(1832) LATHING, PLASTERING, interior and exterior cement work on above.  
Contractor—J. J. Leonard, 1158 Dolores, San Francisco.  
Filed Aug. 29, '19. Dated Aug. 27, '19.  
Payments same as above.

TOTAL COST, \$6950  
Bond, \$3475. Sureties, Chas. J. Powers and N. J. Sullivan. Forfeit, none. Limit, Jan. 15, 1920. Plans and specifications filed

**DECORATIONS**  
(1833) GROVE AND MARKET to Larkin to McAllister to Van Ness to Post. Decorations, flags and pendants.

Owner—Pacific Fleet and President's Reception and War Women's Day Committee.

Architect—None.  
Contractor—Henry Vowinkle, 348-50 Hayes St., San Francisco.

Filed Aug. 29, '19. Date Aug. 26, '19.  
Completed ..... \$600  
5 days ..... 150

TOTAL COST, \$750  
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

(1834) ALONG GROVE AND POLK. 36 standards of decorations.  
Owner—Same as above.  
Contractor—Same as above.  
Filed Aug. 29, '19. Dated Aug. 23, '19.  
Completed ..... \$877.50  
5 days ..... 292.50

TOTAL COST, \$1170  
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

(1835) WHARF DECORATIONS.  
Owner—Same as above.  
Contractor—Same as above.  
Filed Aug. 29, '19. Dated Aug. 23, '19.  
Completed ..... \$375  
5 days after removal ..... 125

TOTAL COST, \$500  
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

(1836) ALONG MARKET from Embarcadero to 9th. Spans, flower baskets, flags for additional minor courts of honor.

Owner—Same as above.  
Contractor—Same as above.  
Filed Aug. 29, '19. Dated Aug. 23, '19.  
Completed ..... \$937.50  
5 days after removal ..... 312.50

TOTAL COST, \$1250  
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

(1837) CARPENTER WORK, scenic work, flags flowers, etc., furnishing wagons, horses and drivers for 3 floats at —.

Owner—Same as above.  
Contractor—Same as above.  
Filed Aug. 29, '19. Dated Aug. 23, '19.  
Complete and accepted ..... \$630  
5 days after parade is over ..... 210

TOTAL COST, \$840  
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

(1838) BOTH SIDES MARKET between 8th and 9th. Additional decorations.

Owner—Same as above.  
Contractor—Same as above.  
Filed Aug. 29, '19. Dated Aug. 23, '19.  
Completed ..... \$150  
5 days after removal of work from trolley poles ..... 50

TOTAL COST, \$200  
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

(1839) POWELL TO SUITER to Kearny to Bush, back to Market to Powell. 174 path of gold standards.

Owner—Same as above.  
Contractor—Same as above.  
Filed Aug. 29, '19. Dated Aug. 23, '19.  
Completed ..... \$1500  
5 days after removal of same ..... 500

TOTAL COST, \$2000  
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

**ALTERATION**  
(1840) NO. 648 KEARNY. Alter front.

Owner—S. Hamburger, 1188 Ellis St., San Francisco.

Architect—None.  
Contractor—L. Fontanello, 1920 Pine St., San Francisco.

COST, \$475

## RAISE

(1841) NO. 4 PARK. Raise and add basement for dwelling.  
Owner—Peter Bielenberg.  
Architect—None.  
Day's work. COST, \$400

## ALTERATION

(1842) NO. 422 Frederick. Alter for private garage.  
Owner—Mrs. Deihl, Premises.  
Architect—None.  
Contractor—A. O. Field, 1465 20th Av., San Francisco.  
COST, \$400

## ALTERATION

(1843) NO. 137 ALMA St. Alter for private garage.  
Owner—F. J. Klenk, Premises.  
Architect—None.  
Day's work. COST, \$400

## RESIDENCE

(1844) N GREEN 103-1-12 W Devisadero W 34-4½x N 137-6. All work except plumbing for a two-story and basement frame residence.  
Owner—Al. Hanify, 24 Market, San Francisco.  
Architect—Ward & Blohme, Alaska Commercial Bldg., San Francisco.  
Contractor—Kronnick Bros., 1659 O'Farrell St., San Francisco.

Filed Aug. 30, '19. Dated Aug. 28, '19.  
Ready for lathing ..... \$4000  
Standing finish on ..... 4000  
Completed and accepted ..... 3516  
36 days ..... 25%  
TOTAL COST, \$19,755

Bond, \$9877.50. Sureties, National Surety Co. Forfeit, \$10. Limit, 130 days. Plans and specifications above.

(1845) PLUMBING WORK ON Above Contractor—Alexander Coleman, 706 Ellis, San Francisco.

Filed Aug. 30, '19. Dated Aug. 28, '19.  
Roughing in completed and sewers laid ..... \$1070  
Completed and accepted ..... 1000  
36 days after ..... 690  
TOTAL COST, \$2760

Bond, Sureties, Forfeit, none. Limit, as soon as possible. Plans and specification filed.

## BUNGALOW

(1846) LOT 4, BLK. 3133 Westwood Park. All work for a one-story frame bungalow and garage.

Owner—W. D. Blair, 1358 Plymouth, San Francisco.

Architect—Ida F. McCain, 318 Kearny St., San Francisco.

Contractor—Philip Grell, 90 Haight, San Francisco.

Filed Aug. 30, '19. Dated Aug. 9, '19.  
Enclosed and roof on ..... \$2075  
Completed ..... 2075  
Completed and accepted ..... 2075  
Usual 35 days ..... 2075  
TOTAL COST, \$8300

Bond, \$4150. Sureties, Jacob Neiler and E. Gustave Schultz. Forfeit, none. Limit, 90 days. Plans and specifications filed.

## EXCAVATING

(1847) SE CALIFORNIA and San-Some S 89x E 169-9-3. Excavating, shoring, pumping, etc. for a 12-story and basement Class "A" Bldg.  
Owner—The Balfour-Guthrie Investment Co., by P. J. Walker Co., Agent, Monadnock Bldg., S. F.  
Architect—Geo. W. Kelham, Sharon

Bldg., San Francisco.

Contractor—Maurice Dillon, 694 19th Ave., San Francisco.

Filed Aug. 30, '19. Dated Aug. 28, '19.  
Semi-monthly payments of ..... 75%  
Usual 35 days ..... 25%

TOTAL COST, \$3600  
Bond, \$1800. Sureties, American Indemnity Co. Forfeit, none. Limit, 21 days. Plans and specifications filed.

## COMPLETION NOTICES.

## San Francisco County

Recorded Accepted  
Aug. 16, 1919—S BUSH 112-6 E Hyde E 25x137-6. Joseph Michael and W. A. Pfeffer as Michael & Pfeffer Iron Works. vs. D. J. Clancy ..... \$556.05

Aug. 23, 1919—E POWELL between Precita Ave and Virginia Ave. 25 Powell Ave. J. L. Ash & Co. vs. L. F. Haubold and Mrs. A. A. Byrnes ..... \$66.35

Aug. 25, 1919—LOT 23, BLK 3143 Westwood Park. Luana I. Pallette to Olaf Olsen ..... Aug. 23, 1919

Aug. 25, 1919—SW FIFTH and Stevenson, SW 125 SE 75 NE 50 NW 50 NE 75 NW 25. Wal Wilson to Palmer & Peterson ..... Aug. 4, 1919

Aug. 26, 1919—SW GREENWICH and Mason W 68-3xS 60. Mary Marsicano to G. B. Pasqualetti ..... Aug. 26, 1919

Aug. 26, 1919—E PARIS 125 N Geneva Ave. N 25xE 100-337 lot 10. Blk 7. Crocker Amazon Tet. Albert Warnock to whom it may concern ..... Aug. 22, 1919

Aug. 27, 1919—NW GOLDEN GATE and Jones W 137-6xN 137-6. Pope Estate Co. to J. Pasqualetti ..... Aug. 25, 1919

Aug. 27, 1919—LOT 27, BLK 3163 Westwood Park. Katherine C. Kingwell to Jno. J. Kingwell ..... Aug. 19, 1919

Aug. 27, 1919—S CALIFORNIA 49 E Powell E 68-6, S 137-6, W 72-6, N 13-6, E 5, N 24, W 1 N 100. J. W. S. Johnson to Barrett & Hilp ..... Aug. 17, 1919

Aug. 28, 1919—LOT 5, BLK 20, St. Francis Wood, Ext. No. 2. St. Francis Home Bldg. Co. to Jno. Morton ..... Aug. 28, 1919

Aug. 28, 1919—LOTS 26 and 27, BLK 11. Crocker Amazon Tract on N Rolph 175 & 200 W Naples. Lorenzo Ferreiros & Louis Depoli to whom it may concern ..... Aug. 28, 1919

Aug. 28, 1919—NE FOURTH and Mission, No. 85 4th St. Federal Elevator & Machine Co. vs. Mrs. N. V. Doran and Vrooman Co. ..... \$990

Aug. 29, 1919—N BROADWAY 145 Steiner, W 28xN 137-6. Robert C. Bolton to Moore & Watson ..... Aug. 20, 1919

Aug. 29, 1919—N BROADWAY 145 W Steiner, W 28xN137-6. Robert C. Bolton to James H. Pinkerton ..... Aug. 29, 1919

Aug. 29, 1919—LOT 22 BLK 3163, Westwood Park. Hilding Anderson to Anderson & Johnson ..... Aug. 29, 1919

Aug. 29, 1919

Aug. 29, 1919

Aug. 29, 1919

Aug. 29, 1919

Aug. 29, 1919

Aug. 29, 1919

Aug. 29, 1919

Aug. 29, 1919

## LEASE.

## San Francisco County.

Aug. 26, 1919—SE O'FARRELL and Jones No. 397 O'Farrell. Emily V. Flood to Angelo Zinisi; 3 years, \$3600.

Aug. 28, 1919—NE GRANT AVE. and Ashburton Place. Phoenix Realty Co. to Victor L. Podesta, Marcio A. Baldocchi as Podesta & Baldocchi; 13 years 9 months, \$115,500.

Aug. 29, 1919—PTN OF LOWER floor of Hewes Bldg. Market and 6th Sts. David Hewes Realty Co. to Lesser Summerfield, A. Haines and H. Haines as Summerfield & Haines; 3 years; \$49,200.

Aug. 29, 1919—NO. 26 PALM AVE. A. M. and Jennie Rude to John O. Weinstrom; 2 years; \$780.

Aug. 30, 1919—SW GREEN and Battery W 137-6xS 93-9. Battery and Green Realty Co. to Frank T. Bowers; 10 years; \$781.25.

Aug. 30, 1919—NO. 34-38 FREMONT. Henry E. Bothin to O'Rourke-Eubanks Hat Co.; 10 years, \$400 month.

Aug. 30, 1919—S CALIFORNIA 49 E Powell E 68-9, S 137-6, W 72-6, N 13-6 E 5, N 24, W 1 N 100. J. M. S. Johnson to J. Olive Smith; 10 years, \$72,000.

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

Aug. 30, 1919

## RELEASE OF BUILDING CONTRACT

## San Francisco County.

Aug. 26, 1919—S FILBERT 82-6E Jones, E 40xS 137-6. Vincent and Rose or Rosa Cancilla to F. Monson.

Aug. 26, 1919

Aug. 26, 1919

## BUILDING CONTRACTS.

## Alameda County.

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1860	Glantz	Owner	3200
1861	Fell	Owner	3600
1862	Goranson	Owner	2850
1863	Keeler	Vaughn	11000
1864	Long	Sheridan	3200
1865	Klingensmith	Owner	400
1866	Reed	Owner	10000
1867	Kewell	Cords	10000
1868	O. A. & E. Ry.	Owner	3750
1869	Prussia	Peppin	2500
1870	Bushby	Owner	2500
1871	Tiers	Owner	2000
1872	Armstrong	Littlefield	7700
1873	Williams	Livingson	400
1874	Winters	Owner	750
1875	Lyle	Pedgrift	500
1876	Lyle	Damgaard	1000
1877	Larsen	Owner	500
1878	Leach	Rose	400
1879	P. G. & E.	Hopper	546
1880	Firen	Stenbro	1000
1881	Short	Owner	2000
1882	Wright	Leithman	2500
1883	Dahl	Olsen	3500
1884	Premier	Knight	4900
1885	Hermes	Ensberger	500
1886	Chryst	Pearson	1500
1887	Welch	Allen	3500
1888	Pacey	Irish	1025
1889	Hearsch	Irish	450
1890	MacDonald	Randlett	400
1891	Lee	Littlefield	3500
1892	Ala Pk. Co.	Spence	400
1893	Mauley	Snell	995
1895	Associated Oil	Owner	4000
1896	Pfrrang	Owner	3500
1897	Dean	Owner	2400
1898	Hinman	Nelson	16000
1899	Marquis	Owner	2000
1900	Prieto	Dies	1500
1901	Mastretti	Brigham	800
1902	Porter	MacGregor	930
1903	Mitchell	Strong	400
1904	Swedish	Gustafson	400
1905	Pa. Coast Can'g	Owner	850
1906	Mitchell	Thornall	5700
1907	Koike	Mitaln	1000
1908	Mortinsen	Strang	2500
1909	Hampton	Knight	1400
1910	Woodburn	Owner	3000
1911	Price	Owner	508
1912	Hadden	Rich	400
1913	Keeler	Vaughn	850
1914	Dethlefsen	Okd Conc.	500

(Correction—Owner's name omitted.)  
DWELLING  
(1816) N BONA 425 W Peralta Ave., Oakland. One-story 6-room dwelling.  
Owner—Geo. B. Davis, 3283 Hyde St., San Francisco.  
Architect—None.  
Day's work. COST, \$3750

(Correction—Owner's name omitted.)  
ADDITION  
(1823) MILLS COLLEGE. Add and hot house, Oakland.  
Owner—Mills College.  
Architect—None.  
Day's work. COST, \$900

(Correction—Owner's name omitted.)  
ALTERATION  
(1840) SIXTEENTH & SAN PABLO, Oakland, Alteration.  
Owner—The Enquirer.  
Architect—None.

Contractor, J. F. Shrader, 520 16th St., Oakland.  
COST, \$400

DWELLING  
(1860) OAK GROVE AVE. "The Oaks," Piedmont. One and one-half story frame dwelling and garage.  
Owner—C. W. Glantz, 2640 Harriet, Oakland.  
Architect—Owner.  
Day's work. COST, \$3200

(Correction—Owner's name omitted)  
DWELLING  
(1861) RAULEIGH WAY, Lake View Park, Piedmont. One and one-half story dwelling.  
Owner—Louis Fell.  
Architect—None.  
Day's work. COST, \$3600

DWELLING  
(1862) W RHODA AVE. 220 S Hopkins, Oakland. One-story 5-room dwelling.  
Owner—H. Goranson, 3435 Peralta Ave., Oakland.  
Architect—None.  
Day's work. COST, 2850

FLATS  
(1863) S 38TH ST. 200 E Grove, being lot 24, Map Perrin Tract, Oakland. All work for two-story, 14-room flats.  
Owner—G. W. Keeler, Oakland.  
Architect—None.  
Contractor—M. C. Vaughn, 5833 Ayala St., Oakland.  
Filed Aug. 25, '19. Dated Aug. 21, '19.  
Frame up 1/4  
Plastered 1/4  
Completed 1/4  
Usual 35 days 1/4  
TOTAL COST, \$11,000

Bond, Sureties, none. Forfeit, \$5.  
Limit, 90 days Plans and specifications filed

DWELLING  
(1864) NO. 1728 BEVERLY PLACE, Berkeley. One-story 5-room dwelling.  
Owner—Roy O. Long, Elks' Club, Berkeley.  
Architect—None.  
Contractor—H. P. Sheridan, 2815 Grove, Berkeley.  
COST, \$3200

ALTERATION  
(1865) NO. 2414 FULTON, Berkeley. Alteration.  
Owner—James Klingensmith, 2416 Fulton, Berkeley.  
Architect—None.  
Day's work. COST, \$400

FLATS  
(1866) SW AILEEN and Adeline, Oakland. Two-story 14-room flats.  
Owner—C. W. Reed, 2534 Pleasant, Oakland.  
Architect—None.  
Day's work. COST, \$10,000

FLATS  
(1867) W LAKESHORE AVE., 500 N Rand, Oakland. Two-story, 10-room flats.  
Owner—Fred W. Kewell, 720 33rd St., Oakland.  
Architect—None.  
Contractor—Alfred Cords, 20 Syndi-

cate Bldg., Oakland.  
COST, \$10,000

BUILDING  
(1868) SW FORTY-FIRST and Opal, Oakland. One-story carpenter and paint shop.  
Owner—O. A. & E. Ry Co.; 40th and Shafter Ave., Oakland.  
Architect—None.  
Day's work. COST, \$3750

DWELLING  
(1869) E PARK BLVD. 390 N Hampel. One-story 6-room dwelling.  
Owner—R. S. Prussia.  
Architect—None.  
Contractor—J. B. Peppin, San Leandro.  
COST, \$3168

DWELLING  
(1870) NW E-SIXTEENTH and 41st Ave., Oakland. One-story 4-room dwelling.  
Owner—F. Bushby, 1636 Rosedale Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2500

DWELLING  
(1871) E EDGERLY 180 E 55th Ave., Oakland. One-story 5-room dwelling.  
Owner—Ben Tiers, 6119 Noble, Oakland.  
Architect—None.  
Day's work. COST, \$2000

ADDITION  
(1872) NO. 2434 HILLSIDE AVE., Berkeley. All work for one-story reinforced concrete add to residence.  
Owner—Amelia H. Armstrong, 2434 Hillside Ave, Berkeley.  
Architect—John J. Donovan, 414 13th St., Oakland.  
Contractor—R. W. Littlefield, 565 16th St., Oakland.  
Filed Aug. 26, '19. Dated Aug. 25, '19.  
1st day of each month 75%  
Usual 35 days 25%  
Bond, \$7700. Sureties, Globe Indemnity Co. Forfeit, none. Limit, 70 days.  
Plans and specifications filed.  
TOTAL COST, \$7700

GARAGE  
(1873) NO. 2758 ASHBY AVE., Berkeley. Garage.  
Owner—Lem Williams, 3140 Ellis St., Berkeley.  
Architect—None.  
Contractor—Wm. Livingston, 2918 Ellis St., Berkeley.  
COST, \$400

ALTERATION  
(1874) NO. 1471 ALLMAN ST., Oakland. Alter and build garage.  
Owner—N. Winters, Premises.  
Architect—None.  
Days work. COST, \$750

GARAGE  
(1875) NO. 389 PALM AVE., Oakland. Garage.  
Owner—W. H. Oliver, Premises.  
Architect—None.  
Contractor—Jas. A. Pedgrift, 565 16th St., Oakland.  
COST, \$500

ADDITION  
(1876) NO. 1501 FIFTY-SEVENTH Ave., Oakland. Addition.  
Owner—J. R. Lyle, 1502 57th Ave.,

Oakland.  
 Architect—None.  
 Contractor—S. Damgaard, 1352 89th Ave., Oakland.  
 COST, \$1000

GARAGE  
 (1877) NO. 1824 IRVING AVE., Oakland. Garage.  
 Owner—E. C. Larsen, 2512 Foothill Blvd., Oakland.  
 Architect—None.  
 Day's work. COST, \$500

REPAIRS  
 (1878) NO. 553 HOBART, Oakland. Fire repairs.  
 Owner—Frank A. Leach, 217 Hillside, Oakland.  
 Architect—None.  
 Contractor—A. H. Rose & Co., 525 17th St., Oakland.  
 COST, \$400

ALTERATION  
 (1879) S SECOND ST. bet. Broadway and Washington. Alteration.  
 Owner—P. G. & E. Co.  
 Architect—None.  
 Contractor—M. E. Hopper & Son, 90 Glen Ave., Oakland.  
 COST, \$546

ALTERATION  
 (1880) NO. 1440 FIFTIETH AVE., Oakland. Alteration.  
 Owner—Firen Bros., Premises.  
 Architect—None.  
 Contractor—A. Stenbro, 2122 Vicksburg Ave., Oakland.  
 COST \$1000

DWELLING  
 (1881) N ALLENDALE AVE., 90 W Octavia, Oakland. One-story, four-room dwelling.  
 Owner—C. W. Short, 245 Acton Place, Oakland.  
 Architect—None.  
 Day's work. COST, \$2000

DWELLING  
 (1882) W FIFTY-FOURTH AVE. 500 S E-14th St., Oakland. One-story, 5-room dwelling.  
 Owner—D. M. Wright, 308 E-12th St., Oakland.  
 Architect—None.  
 Contractor—J. A. Leithman, 2308 Damuth St., Oakland.  
 COST, \$2500

DWELLING  
 (1883) S WELLINGTON 43 W Vista, Oakland, being lot 1, Map Diamond Vista, Oakland. One-story 5-room dwelling.  
 Owner—Walter A. Dahl, Oakland.  
 Architect—None.  
 Contractor—Edward Olsen, 264 Matheson St., Oakland.  
 Filed Aug. 28, '19. Dated Aug. 28, '19.  
 Frame up ..... 1/4  
 Covered ..... 1/4  
 Completed and accepted ..... 1/4  
 Usual 35 days ..... 1/4  
 TOTAL COST, \$3500  
 Bond, Sureties, none. Forfeit, \$150.  
 Limit, 90 days. Plans and specifications filed.

ADDITION  
 (1884) NO. 1001 TWENTY-SECOND AVE., Oakland. One-story addition (galv. iron) to machine shop.  
 Owner—Premier Machinery Co., Prem.  
 Architect—None.

Contractor—Harry C. Knight, 1601 Telegraph Ave., Oakland.  
 COST, \$4900

ALTERATION  
 (1885) NO. 2446 TELEGRAPH AVE., Berkeley. Alteration.  
 Owner—Mrs. C. A. Hermes, 2946 Claremont Blvd., Berkeley.  
 Architect—None.  
 Contractor—Frank A. Ernsberger, 741 Linden St., Oakland.  
 COST, \$500

ALTER AND ADD  
 (1886) NO. 2618 HILGARD AVE., Berkeley. Alteration and addition.  
 Owner—Wm. F. Chryst, Premises.  
 Architect—None.  
 Contractor—Ben Pearson, 2403 Grant St., Berkeley.  
 COST, \$1500

DWELLING  
 (1887) NO. 2950 AVALON AVE., Berkeley. Alteration and add to dwelling.  
 Owner—Samuel B. Welch, 2816 Oak Knoll Terrace, Berkeley.  
 Architect—None.  
 Contractor—F. E. Allen, 2718 Regent St., Berkeley.  
 COST, \$3500

ADDITION  
 (1888) NO. 1303 VERSAILLES AVE., Alameda. Addition.  
 Owner—Mrs. A. Pacey, Premises.  
 Architect—None.  
 Contractor—H. E. Irish, 2214 Clement St., Alameda.  
 COST, \$1025

GARAGE  
 (1889) SW GRAND and Santa Clara Aves., Alameda. Garage.  
 Owner—F. A. Hearsch, Premises.  
 Architect—None.  
 Contractor—H. E. Irish, 2214 Clement St., Alameda.  
 COST, \$450

ADDITION  
 (1890) NO. 1434 SIXTH ST., Alameda. Addition.  
 Owner—Wm. MacDonald, Jr., Prem.  
 Architect—None.  
 Contractor—E. A. Randlett, 1534 Chestnut St., Alameda.  
 COST, \$400

RESTAURANT  
 (1891) W WEBSTER ST. S Estuary Bridge, Alameda. One-story three-room restaurant.  
 Owner—Tuck Lee, 624 Webster St., Alameda.  
 Architect—None.  
 Contractor—R. W. Littlefield, 565 16th St., Alameda.  
 COST, \$3500

BUILDING  
 (1892) NEPTUNE BEACH, Alameda. Frame building.  
 Owner—Alameda Park Co., Premises.  
 Architect—None.  
 Contractor—A. T. Spence, 641 Taylor, Oakland.  
 COST, \$400

ADDITION  
 (1893) NO. 1301 HIGH ST., Alameda. Addition.  
 Owner—Manley Estate, Premises.  
 Architect—None.  
 Contractor—D. J. Snell, 2525 Adeline

St., Alameda.  
 COST, \$995

DWELLING  
 (1894) NE MOUND ST and San Jose Ave., 35x100, Oakland. All work for one-story 5-room dwelling.  
 Owner—Alexander Espagnolle, 2905 San Jose Ave., Alameda.  
 Architect—Guy Brown.  
 Contractor—Harry C. Knight, 1601 Telegraph Ave., Oakland.  
 Filed Aug. 27, '19. Dated July 19, '19.  
 All lumber delivered ..... \$500  
 Bal. in usual four payments.....  
 TOTAL COST 10% of approx cost of \$3700.  
 Bond, Sureties, Forfeit, none. Limit, 75 days after foundations laid. Plans and specifications filed.

STATION  
 (1895) GORE MARKET and San Pablo. One-story steel service station.  
 Owner—Associated Oil Co., 817 Sharon Bldg., San Francisco.  
 Architect—None.  
 Day's work. COST, \$4000

DWELLING  
 (1896) E COLBY ST. 200 W Claremont Ave., Oakland. One-story 5-room dwelling.  
 Owner—C. J. Pfrang, 480 Forest St., Oakland.  
 Architect—None.  
 Day's work. COST, \$3500

DWELLING  
 (1897) S DAMUTH 300 E Fruitvale Ave., Oakland. One-story 5-room dwelling.  
 Owner—C. M. Dean, 2025 Damuth St., Oakland.  
 Architect—None.  
 Day's work. COST, \$2400

GARAGE  
 (1898) NE FOURTH and Alice Sts., Oakland. One-story concrete garage.  
 Owner—H. L. Hinman, 454 9th St., Oakland.  
 Architect—L. A. Granger, Alameda.  
 Contractor—Nelson & Forsyth, Union Bank of Savings Bldg., Oakland.  
 COST, \$16,000

DWELLING  
 (1899) W SEMINARY AVE. 100 N Seminary Court, Oakland. One-story 5-room dwelling.  
 Owner—E. M. Marquis, 2827 Russell, Berkeley.  
 Architect—None.  
 Day's work. COST, \$2000

DWELLING  
 (1900) S BLAIR ST. 55 E 8th Ave., Oakland. One-story 4-room dwelling.  
 Owner—G. Prieto, 1235 102nd Ave., Oakland.  
 Architect—None.  
 Contractor—Joe A. Dies, 8518 G St., Oakland.  
 COST, \$1500

ALTERATION  
 (1901) NO. 1390 E 32ND ST., Oakland. Alteration.  
 Owner—F. M. Mastretti, Premises.  
 Architect—None.  
 Contractor—S. D. Brigham, 1374, E-32nd St., Oakland.  
 COST, \$800

## REPAIRS

(1902) NO. 3202 PERALTA ST., Oakland. Fire repairs.  
Owner—F. F. Porter, 1421 Broadway, Oakland.  
Architect—None.  
Contractor—J. R. MacGregor, 731 60th St., Oakland.

COST, \$930

## GARAGE

(1903) NO. 5940 CLAREMONT AVE., Oakland. Garage.  
Owner—W. J. Mitchell, Premises.  
Architect—None.  
Contractor—Strong Realty Co., 5649 College Ave., Oakland.

COST, \$400

## RESHINGLE

(1904) NO. 952 MAGNOLIA ST., Oakland, Reshingle.  
Owner—Swedish Baptist Church.  
Architect—None.  
Contractor—Alfred Gustafson, 226 29th St., Oakland.

COST, \$400

## ROOF

(1905) NO. 1816 TWELFTH ST., Oakland. Galvanized iron roof.  
Owner—Pacific Coast Canning Co., Premises.  
Architect—None.  
Day's work.

COST, \$850

## DWELLING

(1906) E VALLE VISTA AVE. 110 S Bonham Way, being lot 38, Map A. J. Snyder's Piedmont Terrace by the Lake, Oakland. All work for one-story 5-room dwelling.  
Owner—M. C. Mitchell.  
Architect—None.  
Contractor—W. G. Thornalley, 565 16th St., Oakland.

Filed Aug. 29, '19. Dated Aug. 28, '19.  
Rough frame up ..... ¼  
Rough plastered ..... ¼  
Completed ..... ¼  
Usual 35 days ..... ¼  
TOTAL COST, \$5700

Bond, Sureties, Forfeit, none. Limit, 90 days. Plans and specifications filed.

## ADDITION

(1907) NO. 1527 JOSEPHINE, Berkeley. Addition.  
Owner—J. Kolke, Premises.  
Architect—None.  
Contractor—H. M. Miltain, 1537 Post, San Francisco.

COST, \$1000

## DWELLING

(1908) SW PORTER ST. and Maybelle Ave., Oakland. One-story 5-room dwelling.  
Owner—A. Mortensen, 1531 6th St., Alameda.  
Architect—None.  
Contractor—F. N. Strang, 1405 Central Ave., Alameda.

COST, \$2500

## GARAGE

(1909) SW TWENTY-SECOND and Valley Sts., Oakland. One-story brick garage.  
Owner—John Hampton, 2202 Telegraph Ave., Oakland.  
Architect—None.  
Contractor—F. W. Knight, 557 22nd St., Oakland.

COST, \$1400

## DWELLING

(1910) S WALLA VISTA 450 E Lakeshore Ave., Oakland. One-story 6-room dwelling.  
Owner—F. L. Woodburn, 155 Parkside Drive, Berkeley.  
Architect—None.  
Day's work.

Cost, \$3000

## DWELLING

(1911) LEONA HEIGHTS, Oakland. One-story 3-room dwelling.  
Owner—Geo. G. Price, Premises.  
Architect—None.  
Day's work.

COST, \$508

## GARAGE

(1912) NO. 6150 MENDOCINO AVE., Oakland. Garage.  
Owner—Dr. David Hadden, Premises.  
Architect—None.  
Contractor—James L. Rich, 947 42nd St., Oakland.

COST, \$400

## GARAGE

(1913) S 38TH ST. 200 W Grove, Oakland. One-story brick garage.  
Owner—G. W. Keeler, 558 34th St., Oakland.  
Architect—None.  
Contractor—M. C. Vaughn, 5833 Ayala St., Oakland.

COST, \$850

## GARAGE

(1914) 1963 FRANKLIN, Oakland. One-story concrete garage.  
Owner—M. T. Dethlefsen, Premises.  
Architect—None.  
Contractor—Oakland Concrete and Terrazzo Co., 2227 Market, Oakland.

COST, \$500

## COMPLETION NOTICES.

## Alameda County.

Recorded Accepted  
Aug. 21, 1919—PT 100 S AND 50 W of SW Cor 1st and Jefferson Sts., N 59xW 50. Oakland. Pacific Gas and Electric Co. to T. V. We Sella. Aug. 13, 1919  
Aug. 21, 1919—S SNAKE ROAD, approx. 620 E Moraga Road, Oakland. Realty Syndicate Co. to E. W. Woodward. Aug. 20, 1919  
Aug. 22, 1919—PTN LOT 1, BLK A, Map Portion Prospect Hill Tract, Berkeley. Roswell S. Wheeler to Charles F. Lodge. Aug. 22, 1919  
Aug. 23, 1919—(1) LOT 3 AND SW 5, lot 4 and NE 15 lot 2, Blk 9; (2) lot 1 and SW 10 lot 2, Blk 9, Map Ayson's Moss Tract, Oakland. R. J. Pavert, Inc., to whom it may concern. Aug. 22, 1919  
Aug. 27, 1919—LOT 2, BLK A, Map Lakewood Park, Oakland. Lorena A. Adams to Harry Schwalm. Aug. 22, 1919

## ♦ TENS FILED.

## Alameda County.

Aug. 25, 1919—LOT 34, BLK 5, Map Resubdivision north. North Cragmont. Harry Ahnfeldt vs. Jessie A. & R. A. Benjamin. \$163  
Aug. 28, 1919—SE BROOKLYN and Mont Clair Ave., Oakland. James H. Hardy, Inc. vs. W. H. Matteson and Frank Anderson. \$70

## BUILDING CONTRACTS.

## Sacramento County.

## DWELLING

NO. 2222 D ST., Sacramento. Five-room dwelling.  
Owner—O. B. Whipple, 414 23rd St., Sacramento.  
Architect—None.  
Contractor—J. T. Randall, 2831 "I" St., Sacramento.

Cost, \$3800

## DWELLING

NO. 2482 FORTY-FIRST ST., Sacramento. One-story, 5-room dwelling.  
Owner—P. C. Gamble, 1123½ 5th St., Sacramento.  
Architect—None.  
Day's work.

Cost, \$3500

## BUILDING

NO. 1300 SIXTEENTH ST., Sacramento. One-story frame building.  
Owner—Union Oil Co., Front and Y streets, Sacramento.  
Architect—None.  
Day's work.

COST, \$1000

## BUILDING

NO. 211 P ST., Sacramento. One-story corrugated iron building.  
Owner—California Packing Corporation, Front and P Sts., Sacramento.  
Architect—None.  
Contractor—K. Geary, 913 Front St., Sacramento.

COST, \$2000

## REPAIRS

NO. 425 J ST., Sacramento. Fire repairs.  
Owner—C. Schultz, Arbuckle.  
Contractor—A. W. Norris, 3012 G St., Sacramento.

COST, \$1260

## REMODEL

NO. 414 R ST., Sacramento. Remodel building.  
Owner—C. H. Krebs, 626 J St., Sacramento.  
Architect—None.  
Contractor—G. H. Hudnutt, 211 California Fruit Bldg., Sacramento.

COST, \$1400

NO. 1115 SEVENTH ST., Sacramento. remodel inside of building.

Owner—F. S. Smith, 1614 11th St., Sacramento.  
Architect—None.  
Contractor—F. A. Thurman, Premises

COST, \$1000

NO. 721 M ST., Sacramento. One-story brick store building.

Owner—J. E. Huntoon, 1317 15th St., Sacramento.  
Architect—None.  
Contractor—G. D. Hudnutt Inc., 211 California Fruit Bldg., Sacramento

COST, \$13,600

## FRAME BUILDING

N ½ OF S ½ Lot 3 W 15 of S ¼ of E ½ Lot 3; N ½ of S ½ Lot 4 W, V. 20th and 21st Sts., Sacramento. All work for two-story frame building.  
Owner—Harry R. Brown, 822 27th St., Sacramento.  
Architect—None.  
Contractor—E. A. Corum, 2533 Portola Way, Sacramento.  
Filed Aug. 13, '19. Dated Aug. 9, '19.

COST, \$6445



## BUILDING AND ENGINEERING NEWS

**DWELLING**  
LOTS 39 AND 40 BLK 2, College Addition, Fresno. Dwelling and garage  
Owner—J. G. Porter, 940 Cambridge St., Fresno.  
Architect—None.  
Day's work. COST, \$10,000

**DWELLING**  
LOTS 4 AND 5 BLK 237, Fresno. Dwelling.  
Owner—Henry Steinhauer, 2196 Holly St., Fresno.  
Architect—None.  
Contractor—Wm. Kerner, Fresno.  
COST, \$2500

**REMODELING**  
NW FIRST AND SAN ANTONIO, San Jose. All millwork, plate glass, brick work, concrete and cement work, painting, awning, iron and steel work, etc., for remodeling store.  
Owner—The Wiley B. Allen Co. (a corporation), 117 So. 1st St., San Jose.  
Architect—Louis Theo. Lenzen, 110 So. 2nd, San Jose.  
Contractor—W. J. Moore, 75 Daune, San Jose.  
Filed Aug. 18, '19. Dated Aug. 15, '19.  
As work progresses ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$3582  
Bond, \$1791. Sureties J. S. Williams and A. L. Hubbard. Forfeit, none.  
Limit, 30 days. Plans and specifications filed.

**FACTORY**  
MOORPARK AVE. and Race St., San Jose. All work for two-story, reinforced concrete factory building.  
Owner—S. J. Spoelstra, San Jose.  
Architect—Wm. Binder and E. N. Curtis, 257 So. First, San Jose.  
Contractor—R. O. Summers, 17 No. First, San Jose.  
Filed Aug. 18, '19. Dated Aug. 18, '19.  
Between 1st and 6th each mo. .... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$41,343  
Bond, \$20,622. Sureties, Hartford Accident and Indemnity Co. Forfeit, \$50.  
Limit, 70 days. Plans and specifications filed.

**ADDITIONS**  
NO. 44 NO. MARKET, San Jose. Addition and alterations  
Owner—J. S. Williams, 44 No. Market, San Jose.  
Architect—Wolfe & Higgins, Auzerails Bldg., San Jose.  
Contractor—W. E. Moore.  
COST, \$7870

**RESIDENCE**  
PALM HAVEN, San Jose. One and one-half story residence.  
Owner—Herman Krause, 243 No. 9th, San Jose.  
Architect—Owner.  
Contractor—Howard Waltz, 132 Balbach, San Jose.  
COST, \$3500

### BUILDING CONTRACTS.

#### San Joaquin County.

**HANDBALL COURT**  
SW SAN JOAQUIN and Channel Sts., Stockton. Handball court  
Owner—Y. M. C. A., Stockton.

Architect—None.  
Day's work. COST, \$2250

**BUILDING**  
COR. AURORA AND MARKET STS., Stockton. Industrial building.  
Owner—The Georges Co., 29 S. Aurora St., Stockton.  
Architect—None.  
Days work. COST, \$50,000

**DWELLING**  
FAIR OAKS, Stockton. Frame Dwlg.  
Owner—A. C. Dahl, Stockton.  
Architect—None.  
Day's work. COST, \$1900

**DWELLING, ETC.**  
STOCKTON ST. between Vine and Rose, Stockton. Frame dwelling and garage.  
Owner—E. A. Fitzgerald, Stockton.  
Day's work. COST, \$3800

**DWELLING, ETC.**  
NORTH between Yosemite and Stockton. Frame dwelling and garage.  
Owner—F. P. Dobson, 27 W Oak St., Stockton.  
Architect—None.  
Day's work. COST, \$3700

**RESIDENCE**  
CLAY between American and Stanislaus, Stockton. Frame residence.  
Owner—C. Diez, 229 S Eugene Ave., Stockton.  
Architect—None.  
Day's work. COST, \$2000

**APARTMENTS**  
OAK ST., between Sutter and California, Stockton. Frame apartments.  
Owner—Goold and Johns, 113 So. California, Stockton.  
Architect—None.  
Day's work. COST, \$25,000

**RESIDENCE**  
SCHWEITZER TRACT, Stockton. Frame residence.  
Owner—Mary F Sowell, Stockton.  
Architect—None.  
Day's work. COST, \$2200

**REMODEL**  
COR. COMMERCE & SCOTTS AVE., Stockton. Remodel Bldg.  
Owner—Western Meat Co., Sacramento and Lafayette, Stockton.  
Architect—None.  
Day's work. COST, \$4000

### LIENS FILED

#### Santa Clara County.

Aug. 21, 1919—NO. NINTH ST., San Jose. Laurence Lewis vs. Arthur Stringfellow ..... \$52.45

### COMPLETION NOTICES.

#### Santa Clara County.

Recorded Accepted  
Aug. 13, 1919—CAMPUS OF Stanford University, Palo Alto. Board of Trustees of Stanford University to The Turner Company, San Francisco, plumbing work.....  
Aug. 5, 1919

Aug. 13, 1919—CAMPUS OF Stanford University, Palo Alto. Board of Trustees of Stanford University to The Turner Company, San

Francisco, electrical work.....  
Aug. 5, 1919

### BUILDING CONTRACTS.

#### San Joaquin County.

**STATIONS**  
WEBER AND STANISLAUS STS., Lafayette and San Joaquin and California and Church Sts., Stockton. Three service stations.  
Owner—Associated Oil Co., Weber St. near Edison, Stockton.  
Architect—None.  
Day's work. Cost, \$4300 each

**BUILDING**  
STOCKTON. Building.  
Owner—Margaret E. Cunningham and Katherine Q. Boggs, 17 E. Acacia St., Stockton.  
Architect—None.  
Contractor—C. J. Powell and C. W. Medberg, 613 W-Flora St., Stockton. Cost, \$1270  
Filed Aug. 13, '19. Dated Aug. 4, '19.

**DWELLING**  
FISHERS ADDITION, Stockton. All work for dwelling.  
Owner—De Etti Wilbert, Stockton.  
Architect—None.  
Day's work. COST, \$1800

### COMPLETION NOTICES.

#### San Joaquin County.

Recorded Accepted  
Aug. 6, 1919—LOTS 37, 38 AND 40 Blk 4, North Manteca Sec 32 T 1 S R 7 E, Stockton. Otto F Dietz and wife to Nickelsen & Meneley  
Aug. 6, 1919  
Aug. 15, 1919—SE ¼, SEC. 17, T 3 N R 7 E. Ruth M. Howland to T. E. Williamson.....  
Aug. 13, 1919  
Aug. 18, 1919—LOT 3, BLK. 1, City Park Terrace, Stockton. Marie and J. B. Wolf to whom it may concern ..... July 15, 1919

### COMPLETION NOTICES.

#### Marin County.

YOLANDO COURT, San Anselmo, Marin Co., Cal. Carpenter work, plastering, concrete, etc., for one-story frame residence.  
Owner—James H. Fannin, San Anselmo.  
Architect—Edward E. Young, 251 Kearny St., San Francisco.  
Contractor—Peter Hamilton, San Anselmo.

Filed Aug. 16, '19. Dated Aug. 15, '19.  
Frame up ..... \$1031.25  
Enclosed ..... 1031.25  
Brown coated ..... 1031.25  
Completed ..... 1031.25  
Usual 35 days ..... 1375.00  
TOTAL COST, \$5500  
Bond, Sureties, Forfeit, none. Limit, 90 days. Plans and specifications filed.

### LIENS FILED.

#### Marin County.

Aug. 26, 1919—MILL VALLEY, Marin Co., Cal. Mill Valley Lumber Co. vs. Fred A. Roemer.....\$408.08

## BUILDING CONTRACTS.

## Fresno County.

## ADDITION

NO 927 J St. Addition to rear.  
Owner—Ko Bros, 927 J St., Fresno.  
Architect—None.  
Contractor C. W. Stewart, 1041 Harrison St., Fresno.  
Cost, \$2500

## DWELLINGS, ETC.

LOTS 27, 28, BLK 54, and W ½ of lot 22, lots 23, 24, blk. 53, E. Fresno.  
Two dwellings and garages.  
Owner—Fresno Building Corporation, Fresno.  
Architect—None.  
Day's work. Cost (each), \$4850

## DWELLINGS, ETC.

LOTS 1, 2, 3, BLK. 58, and lots 9, 10, W ½ of lot 11, Blk 57, E Fresno.  
Two dwellings and garages.  
Owner—Fresno Building Corporation, Fresno.  
Architect—None.  
Day's work. Cost (each) \$6,250

## SCHOOL

SAN JOAQUIN SCHOOL DISTRICT.  
Fresno. All work for frame school house.  
Owner—San Joaquin School District, Fresno, Cal.  
Architect—Swartz & Swartz, Fresno.  
Contractor—C. D. Barkewell and R. D. Gould, 2305 White St., Fresno.  
Filed Aug. 12, '19. Dated Aug. 1, '19.  
Value of work \$3048. \$3036.00  
Value of work \$9096. 3036.00  
Value of work \$12,144. 3036.00  
On completion 3033.75  
Usual 35 days. 4,047.25  
TOTAL COST, \$16,189.00  
Bond, none. Limit, 100 working days.  
Forfeit, none. Plans and specifications filed.

## STORE BUILDING

LOTS 11 AND 12 BLK 372, Fresno.  
Store building.  
Owner—Jas. E. Power, Fresno.  
Architect—None.  
Contractor—J. L. Daly, 702 G St., Fresno.  
COST, \$19,250

## GARAGE

LOTS 6 AND 7 BLK 65, Fresno. Garage.  
Owner—Ernest Weimar, 436 Yosemite St., Fresno.  
Architect—None.  
Day's work. COST, \$10,000

## BUILDING CONTRACTS.

## San Mateo County.

## RESIDENCE.

BURLINGAME PARK, lot 25, Blk. 8, subdivision No. 2. One-story frame residence.  
Owner—Joseph B. Haffen, Jr., 3855 21st St., San Francisco.  
Architect—Ernest L. Norberg, Bankers' Investment Bldg., San Francisco.  
Contractor—C. H. Bessett Building Co., Burlingame, Calif.  
Filed Aug. 15, '19. Dated July 28, '19.  
Frame up ..... \$1412.50  
Plastered ..... 1412.50  
Accepted ..... 1412.50  
Usual 35 days ..... 1412.50  
TOTAL COST, \$5650

Bond, Sureties, Forfeit, Limit, none.  
Plans and specifications filed.

## RESIDENCE

E COSTA RICA AVE. 60 S Howard Ave., Burlingame. Excavating, brick work, carpenter work, sheet metal, mill work, plastering, painting, plumbing and electrical wiring for one-story frame residence.  
Owner—Wm. H. Rankin, 1211 Floribunda, Burlingame.  
Architect—None.  
Contractor—J. R. Catherwood, 149 W Poplar, Burlingame.  
Filed Aug. 19, '19. Dated Aug. 15, '19.  
Frame up ..... \$722.50  
Brown coated ..... 722.50  
Completed and accepted ..... 722.50  
Usual 35 days ..... 722.50  
TOTAL COST, \$2890

Bond, Sureties, Forfeit, none. Limit, 60 days. Plans and specifications filed.

## RESIDENCE, ETC.

LOT 7, BLK. 1, Subdivision 3, Burlingame Park, Burlingame. One-story and basement, plastered exterior residence and frame garage.  
Owner—Blanch Worth.  
Architect—Charles E. J. Rogers, Phelan Bldg., San Francisco.  
Contractor—Charles Pedersen, 111 10th Ave., San Mateo.  
Filed Aug. 21, '19. Dated Aug. 21, '19.  
Frame complete ..... \$2543.50  
Brown coated ..... 2543.50  
Building completed ..... 2543.50  
Usual 35 days ..... 2543.50  
TOTAL COST, \$10,174

Bond, Sureties, Forfeit none. Limit, 90 days after Aug. 25. Plans and specifications filed.

## RESIDENCE

W SHARON AVE., SW junction of Floribunda Ave., Hillsborough. Two-story and basement plastered exterior residence.  
Owner—Mrs. Flora L. Cloman, Hillsborough, Calif.  
Architect—Thomas Nelson Murray, 676 Monadnock Bldg., San Francisco.  
Contractor—W. A. Goerick (as Taylor & Goerick), Sharon Bldg., San Francisco.  
Filed Aug. 19, '19.  
Frame up and sheathed ..... \$5675  
Rough coat plaster and electric work ..... 5675  
All work completed ..... 5675  
Usual 35 days ..... 5675  
TOTAL COST, \$22,700

Bond, \$11,350. Sureties, United States Fidelity and Guaranty Co. Forfeit, none. Limit, 120 days. Plans and specifications filed.

## BUILDING CONTRACTS.

## Santa Clara County.

## FRAME RESIDENCE

SECOND ST., bet. Reed and Marquette Sts. San Jose. All work for two-story frame residence.  
Owner—G. W. and Mary E. Ryan, 450 Second St., San Jose.  
Architect—Wolfe & Higgins, 93 Auzerais Bldg., San Jose.  
Contractor—Geo. Linblom, 519 W-San Carlos St., San Jose.  
Filed Aug. 7, '19. Dated Aug. 5, '19.  
Frame up ..... \$3235.25  
Plastering on ..... 3235.25  
Finished and accepted ..... 3235.25

Usual 35 days. 3235.25  
TOTAL COST, \$12,941.00

Bond, \$6470.50. Sureties, Otto E. Schnabel and Antone Schirle. Limit, 110 days from date of agreement. Forfeit, \$2 per day. Plans and specifications filed.

## R C BUILDING

MARKET near San Carlos St., San Jose. Reinforced concrete building  
Owner—Geo. K. McDonald, 37 Hobson St., San Jose.  
Architect—Wallace & Bush, Bank of San Jose Bldg., San Jose.  
Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.  
COST, \$20,000

## COTTAGES

TENTH AND MISSION STS., San Jose. Cottages and baths for operators.  
Owner—Producers Warehouse Co., Tenth and Taylor Sts., San Jose.  
Architect—None.  
Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.  
COST, \$25,000

## COTTAGE

NO. 380 S-ELEVENTH ST., San Jose. Six-room cottage.  
Owner—W. T. Stone, Premises.  
Architect—F. C. Nelson, S-Tenth St., San Jose.  
Contractor—F. C. Nelson.  
COST, \$5000

## GARAGE AND LAUNDRY

MOORPARK AVE. between Bascom Ave. and Winchester Road, San Jose. All work for two-story frame garage and laundry building.  
Owner—W. R. Fessenden, San Jose.  
Architect—Chas. S. McKenzie, 511 Bank of San Jose Bldg., San Jose.  
Contractor—Al Compton, 547 N. 17th St., San Jose.  
Filed Aug. 14, '19. Dated July 31, '19.  
Frame up ..... \$522.25  
First coat of plaster on ..... 522.25  
Completed ..... 522.25  
Usual 35 days ..... 522.25  
TOTAL COST, \$2089

Bond, \$1100. Sureties, E. W. Schnabel and Otto E. Schnabel. Forfeit, none. Limit, 50 days. Plans and specifications filed.

## DWELLING

NEAR SAN JOSE. All work for one-story and basement frame dwelling.  
Owner—O. K. Cushing, San Francisco.  
Architect—William C. Hays, First National Bank Bldg., San Francisco.  
Contractor—L. Cereghino, 180 Jessie, San Francisco.  
Filed Aug. 14, '19. Dated Aug. 12, '19.  
Building enclosed & roof on ..... \$1843  
Brown coated ..... 1843  
Completed and accepted ..... 1843  
Usual 35 days ..... 1846  
TOTAL COST, \$7375

Bond, \$3750. Sureties, G. B. Cordano and Rocco Cereghino. Forfeit, none. Limit, 75 days. Plans and specifications filed.

## DWELLING

LOTS 32 AND 33 BLK 11, College Addition, Fresno. Dwelling.  
Owner—C. E. Millhollen, 363 Thesta St., Fresno.  
Architect—None.  
Day's work. COST, \$2600

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum  
General Mill and Cabinet Work, Stock Doors, Sash Frames  
and Mouldings.

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member

Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BEICH  
ARCHMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAHOGANY  
OREGON MAPLE-PLAIN OAK  
QUARTERED OAK  
WYBRICK BENDING OAK  
POPLAR-WALNUT



BOXWOOD-EBONY-IRONBARK  
JENSEN-KOA-SPANISH CEDAR  
LIGNUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SPOTTED GUM-CHESNUT  
LUMBER--TIMBER  
HARDWOOD FLOORING  
WYBRICK VENEERED PANELS  
DOWELS-TRIMMINGS-VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUIT Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

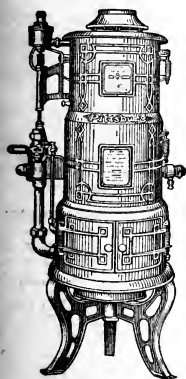
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., September 10, 1919

Published Every Wednesday  
Nineteenth Year, No. 37



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

PITTSBURG WATER HEATER CO.

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze Will not exude

Will not give off noxious gases

No thawing

No leaking

No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
PLUMBER

221 Oak Street

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

President—Dr. F. H. Newell, University of Illinois, Urbana, Ill.  
 First Vice-President—W. W. DeBerard, Western Editor Engineering News-Record, Chicago.  
 Second Vice-President—T. A. Evans, Structural Engineer, Meade-Morrison Co., Chicago.  
 Treasurer—John Ericson, City Engineer, Chicago.  
 Secretary—C. E. Drayer.

## Directors.

W. H. Finley, President, C. & N. W. Ry., Chicago, Ill. Past President.  
 W. W. K. Sparrow, Chief Engineer C. M. & St. P. Ry., Chicago.  
 P. E. Harroun, Consulting Engineer, San Francisco, Calif.  
 R. Burnham, Consulting Engineer, Chicago, Ill.  
 F. D. Richards, Bridge Engineer, City of Cleveland.  
 A. A. Matthews, Chief Engineer St. L. S. W. R. R., Tyler, Texas.  
 E. F. Collins, Valuation Engineer St. L.-S. F. Ry., St. Louis.  
 C. H. Crawford, Baldwin Locomotive Works, Philadelphia.  
 Harold Almert, Consulting Engineer, Chicago.  
 F. K. Bennett, Principle Assistant Engineer M. & St. L. Ry., Minneapolis.  
 J. H. Prior, Consulting Engineer, Chicago.  
 Alexander Potter, Civil Engineer, New York City.  
 J. N. Hatch, Consulting Engineer, Chicago.

## NATIONAL HEADQUARTERS

29 S. La Salle St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co.....	THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles ..... W. P. R. R.  
 L. D. Howland ..... C. C. Moore Co.  
 J. F. Johnston ..... Union Const. Co.  
 I. G. Grundel ..... Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown ..... S. P. R. R.  
 E. B. Crane ..... C. M. & P. S. Ry.  
 P. J. Rowell ..... I. C. C.

### COMPENSATION COMMITTEE.

G. M. Nelson ..... Consulting Engineer  
 E. V. Vandercook ..... S. P. R. R.  
 W. T. Cleland ..... S. P. Co.  
 Chief Dep. Surveyor Santa Clara Co.  
 V. D. Cousins ..... P. T. & T. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp ..... S. P. R. R.

### EMPLOYMENT REPRESENTATIVE.

F. J. Amweg ..... Consulting Engineer.

### MEMBERSHIP COMMITTEE.

D. L. Reynolds ..... Pacific Fruit Ex. Co.  
 F. J. Amweg ..... Consulting Engineer  
 W. H. Rupp ..... Southern Pacific R. R.  
 E. D. Brown ..... Redwood Mfrs. Co.  
 Clarence D. Stone ..... S. P. Co.  
 A. B. Hartley ..... S. P. Co.  
 H. W. Shrieber ..... City of Oakland  
 F. E. Geibel ..... S. P. Co.  
 C. B. Newbury ..... Interstate Com. Com.  
 J. F. Johnston ..... Union Const. Co.  
 E. V. Vandercook ..... S. P. Co.

### INTER-CHAPTER ADJUSTMENT COMMITTEE.

A. G. Mott ..... S. P. Co.  
 O. R. West ..... A. T. & S. F. Co.  
 W. S. Wollner ..... N. W. P. Co.

### QUALIFICATION COMMITTEE

W. H. Phelps ..... S. P. Co.  
 O. R. West ..... A. T. & S. F. R. R.

### PUBLICITY COMMITTEE

E. D. Brown ..... Redwood Mfrs. Co.  
 G. M. Nelson ..... Consulting Engineer

### POLITICAL COMMITTEE

E. H. Herbert ..... Oliver Mfg. Co.

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

*San Francisco Chapter Office, 700 Marston Bldg.*

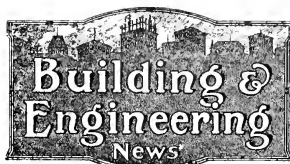
A. G. Mott, Secretary

244 Kearny St., S. F.

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LAUREN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
500 Mission Street.  
Telephone—Douglas 2372.

J. P. FARRELL, Exchange Editor

# American Association of Engineers

## "BOND ISSUES."

### Their Use and Misuse.

By George M. Nelson, Consulting Engineer, S. F.

#### II.

Irrigation bonds have had a more checkered career than any other kind of bonds. Out of the fifty-seven districts that were formed, from the passage of the Wright Act in 1887, till July, 1915, only seventeen are now operating. Frank Adams, irrigation manager of the U. S. Department of Agriculture, gives as some of the reasons for the forty failures:

"Lack of data as to water supply and construction costs, resulting in engineering mistakes."

"In a few cases, willingness of engineers of repute to report favorably on district projects for which there was no physical justification and for which, in some cases, there was no moral justification."

"In some cases failure of the organizers of districts to give due regard to economic feasibility at the time the projects were undertaken."

Fifteen millions in bonds were voted in these forty districts. Some of these issues were sold, and most of them compromised on 25 cents on the dollar.

Of the irrigation districts formed in the last ten years several have already shown serious lack of judgment on the part of their engineers and are furthermore changing engineers (surveyors) so often that no chance has been given to rectify the earlier mistakes. The Anderson-Cottonwood district started with an indebtedness of \$480,000 bonds voted in June, 1915, and has now bonds outstanding in the amount of \$1,055,000, with another bond issue coming soon. The inexperience of the engineers connected with this work was shown early in the very extravagant claims put forward as to the low unit costs that they would be able to do this work for and which utterly failed of realization.

Change in engineers did not materially change the soundness in judgment evidenced by the construction of expensive reinforced concrete structures, connecting unlined canal sections excavated in an extremely gravelly soil and running through land not yet cleared of even the largest and

heaviest timber and most land holdings too large for successful irrigation farming. The low lands of this district, the bottoms so-called, which were farmed before the organization of the district are in danger of being waterlogged unless a drainage system is built.

The South San Joaquin District has also had to materially increase its bond issue, this also occasioned through the engineer's inability to appreciate the fact that the cost of construction work is not confined to what is paid to the laborers doing the job of shoveling or driving the Fresno. This district started out with a bond issue of \$1,875,000 in 1910, and has now a total indebtedness of \$3,835,000 with more to come as the lower lands in this district are becoming badly waterlogged, bringing the alkali latent in the soil to the surface. The \$85,000 included in the last bond issue for drainage will be as a drop in the bucket to the amount necessary to take care of a proper drainage system. Wooden trestles of rather slim design are now being replaced with concrete structures capable of carrying the loads imposed thereon. The natural conditions, advantages of location, and intensity of population are diametrically opposite of those under which the Anderson-Cottonwood District labors; that some of the expensive reinforced concrete structures now looking rather lonesome in the northern district could have been built with excellent economical results in the South San Joaquin. Modesto and Turlock lands are both becoming waterlogged and steps must soon be taken to relieve this situation, and do it intelligently. Both districts are contemplating an increase in their storage capacity for the purpose of serving more water to their lands; but their engineers should, if they can give the whole situation a much closer study than they have so far, first try to solve the problem by an intelligent distribution of the water according to the needs of the crops and not according to some farmers' howl for water when he sees his neighbor is getting some. Too much water has ruined more land than too little.

(Continued next week)

## NEWS FROM NATIONAL HEAD-QUARTERS.

The results of the recent referen-

dum held by the American Association of Engineers on the distribution of expenses among ten various activities of the Association indicate that all of the things which the members believe to be important, the employment service is the most popular.

The referendum was recently completed and the total vote indicated a desire on the part of the members to have about 17 per cent of the income of the association spent on employment. It is interesting to know that compensation was second with a percentage of about 16. The official publication, promotional work, publicity, legislation, protection and prevention of abuses, membership, civic welfare, and ethics and practice were next in the order named. It is interesting to note that mining engineers voted the greatest percentage to employment, while the least percentage voted to employment was by those engineers employed by educational institutions. Government engineers voted more to be spent on publicity than any other class. The greatest desire for development of the organization appears to lie in the educational group; for these engineers voted 3 per cent more for promotional work than any other class of members. Engineers employed by public utilities voted the greatest amount to be spent on legislation, although those employed by states ran a close second. Legislation was least desired by government engineers, who voted a full 3 per cent less than those employed by public utilities. Engineers in private practice voted the greatest amount to be spent on civic welfare work; the least amount voted to this work was about 3 per cent voted by mining engineers. Engineers in private practice voted a greater amount to be spent on protection and prevention of abuses than any other class of members. Municipal engineers voted the most money to be spent on compensation, while railroad engineers, engineers in public utility work and engineers employed by states followed in the order named: the complete tabulation of the vote follows: Employment, 17.4 per cent; compensation, 16.3; promotional work, 10.9; publicity, 9.8; legislation, 8.3; protection and prevention of abuses, 8.1; membership campaign, 5.8; civic welfare, 4.5; ethics and practice, 3.6.

Many chapters and clubs of the American Association of Engineers

everywhere are taking action on legislation. The Townsend Bill, providing for a well organized system of highway development, has received the favorable vote of a great many of these local organizations, including those at St. Paul, Minneapolis, San Francisco, Muskogee, Okla.; Pittsburgh, Chicago, Chattanooga and Indianapolis. Chapters and clubs are taking a great interest in state and community legislation. The Baltimore Chapter has requested the Governor to appoint an engineer to the public service commission of Maryland. The Pittsburgh Chapter has inaugurated the practice of investigating the qualifications of candidates for such offices as county commissioner and making public its reports on the qualifications of the various candidates. The Fresno (Calif.) Club has issued a special notice to the public setting forth the necessity for an affirmative vote on a bond issue to provide additional funds required to make up a deficit in the county treasury. Everywhere there is being developed a strong interest in local politics.

On Friday, August 22nd, Dr. F. H. Newell, President of the American Association of Engineers, assisted the engineers in city service in Portland, Oregon, in their attempt to obtain increased compensation, by appearing before the mayor and city council in advocacy of the increase. Dr. Newell spoke at length upon the necessity for adequate compensation and upon the methods of the American Association of Engineers.

#### NEWS OF A. A. E. MEMBERS.

J. Winter Smith, of San Jose, has accepted a position as engineer-appraiser with the Federal Farm Loan Bureau at Helena, Montana. Mr. Smith was recently discharged from the army as captain of engineers. He is a member of the American Association of Engineers, and took a prominent part in organizing the A. A. E. at San Diego.

A. Lincoln Fellows, member of the A. A. E., has been reappointed engineer for the next three months for the proposed Kern County Water District.

#### PEAK LOADS.

San Francisco, Aug. 26, 1919.  
Open Letter to the Members of the A. A. E.:

Peak loads are the maximum loads served by a plant. The amount of equipment both working and spare must be designed to carry the peak loads. The number of attendants must be greater during the peak load periods than at other times and broken hours of labor result from the effort to provide the maximum personnel for peak load periods and the minimum personnel for stand by periods.

We should assume that with government regulation of all public utilities the reduction in annual expense of operating these utilities will result in a corresponding saving to the public. Our duty as engineers requires us to further all efforts looking toward the improvement of public utility operation which will net a saving to the consuming public.

Unfortunately all peak loads are due to the habits of the people. All of us desire to work during the day and sleep at night. We wish to arise about the same time, go to and return from work about the same time, burn all our electric lights about the same time and retire about the same time. The public utilities can show peak load records which absolutely disclose the habits of a community. Each utility has traffic departments which are engaged in studies to lower the peaks or fill up the troughs with off peak business.

The elimination of peak loads is an ideal impossible to accomplish. The approach to this ideal becomes steeper and more difficult the farther we proceed along the line. We are confronted with daily peaks, weekly peaks and seasonal peaks, and a reduction in the first, while offering compensation sufficient to reward any efforts along that line, is meager compared to the gain which will result from cutting down the seasonal peaks.

How far we as engineers can go in this matter is a question. Possibly we should not even attempt to solve the problem. On the other hand we owe it to the public to at least ascertain whether or not it is practical to effect any improvement in the matter. As a start we should appoint a peak load committee which could receive and digest suggestions of the other members and do what it could to formulate an intelligent proposal. An engineer from each type of public utility in our area should be on the committee. This committee might well confine its efforts to San Francisco utilities as a trial, and if it works out we can extend our efforts and enlist the National Association in the campaign.

You will agree that one successful project will do a great deal toward winning favor for our association, and will show that we can make good in one of the aims of the American Association of Engineers.

The following notes discuss some of the phases of the San Francisco problems.

#### Notes on the Reduction of Peak Loads in San Francisco—Some Observations.

A-1. The laborers report for work promptly at 7:30 a. m. and 8:00 a. m.

2. The regular office force report for work promptly at 8:00 a. m. and 8:30a. m.

3. The supervisory employees report for work at varying times between 8:30 a. m. and 9:00 a. m.

4. The officials and independent professional people reach their offices at varying times between 9:00 and 9:30 a. m.

B—The great majority of the 1st class are relieved for lunch at 12:00 o'clock promptly. To some degree the 2nd class has been split so that a part go to lunch at 11:30 a. m. and 12:30 p. m., but a great many are relieved at 12:00 o'clock. The 3rd class are given some latitude in the selection of the lunch period, but they usually leave at 12:00 o'clock. The fourth class leaves sometime after 12:00 o'clock, although many maintain a strict routine with regard to leaving and a lax routine for returning after lunch.

C—The first class quits promptly at 4:30 and 5:00 p. m. The second class quits promptly at 5:00 and 5:30 p. m. The third class quits at varying times from 4:30 to 5:30 p. m. The fourth class quits at varying times from 4:00 to 6:00 p. m.

D—The first and second classes eat supper at 5:00 to 6:00 p. m. The third and fourth classes eat dinner from 6:00 to 7:00 p. m.

E—The first and second classes retire at 9:00 to 10:00 p. m. The third and fourth classes retire at 10:00 to 11:00 p. m.

#### Some Thoughts.

If employers would agree to a modification of the working hours of their employees to fit in with a general plan evolved by the committee, the rush periods at 7:30, 8:00 and 8:30 a. m., 12 noon; 4:30, 5:00 and 5:30 p. m. could be smoothed out considerably without causing an advance or delay of more than twenty-five minutes; in the working time limits of any one concern.

B—At present the various classes of employees arrive and depart at different times (excepting at noon) and tend to reduce the traffic somewhat, but the peaks still exist, although much lower than would be the case were all employees assigned the same reporting and quitting times.

C—Western Union clocks have given such uniform time to the working public that the exact assignment of reporting and quitting times have tended to create the present peaks. We would not desire to eliminate them, as accuracy of time is an essential element in modern life.

D—The crowding of the sidewalks and street cars, and the rush and jam of automobile traffic occur now due to the uniformity existing in our human habits. A difference of five or ten minutes in the reporting and quitting time will materially relieve this congestion.

E—The Chamber of Commerce should be enlisted in the undertaking and can exercise great influence over the employers. Our committee having drafted a working plan should secure the assistance of the Chamber of Commerce in its execution.

F—Relieving the congestion of the streets and sidewalks will assist the traffic squad of the Police Department, and we may count on the endorsement of our plan by the Police Commissioners.

G—Relieving the congestion during the noon hour will help the restaurant men and their employees.

H—The traction companies will gain materially by a reduction of the peak loads.

I—The gas and electric utilities may notice also a slight change in the habits of the people tending to reduce the peaks.

J—The Telephone Company may notice a slight reduction of the peaks in the residential districts during the evening.

K—The public will gain the most as better service can be given by the utilities and less crowding will be noticed on the streets and street cars.

V. D. COUSINS, Member A. A. E.,  
Telephone Engineer,  
622 Shelton Bldg.

## ASSEMBLY BILL NO. 239.

(Continued from last week)

Sec. 7. The board of supervisors shall provide and assign to the county engineer and his assistants a suitable office or offices in the court house, or in some place conveniently located with reference thereto with all necessary instruments, tools, implements, stationery and supplies.

Sec. 8. The county engineer shall make requisitions upon the board of supervisors for the purchase of all tools, implements, machinery, materials and supplies required to carry out the intent of this act, and said requisition shall state plainly the estimated cost of the article or articles to be purchased. He shall approve all claims for the same before such claims are audited and passed by the board of supervisors. He shall be the custodian and be responsible for all equipment under his control. All such property shall be stored and protected from the weather when not in use. An inventory of all property in his custody shall be made annually and kept on file in the office of the county engineer.

Sec. 9. Upon the completion of work done for the county on its roads, highways, streets, bridges and aqueducts, or in any connection with the same, the county engineer must examine the same and if completed in accordance with the specifications thereof, he must submit to the board of supervisors a certificate over his own signature and official seal to the effect that such work by the contractors thereof has been completed in accordance with the specifications thereof and recommending its acceptance. The board shall thereupon audit the same and direct its payment out of the proper fund or funds.

Sec. 10. Whenever the state department of engineering has authority to sell equipment, material or supplies for road building, repairs or maintenance and a saving may be made to a county by purchasing from said department, the board of supervisors upon the recommendation of the county engineer may purchase such equipment, materials or supplies from the state.

Sec. 11. The office of county surveyor of any county shall be and is hereby abolished upon the occurrence of any of the following conditions:

(a) Upon the appointment as county engineer of the person who holds the office of county surveyor at the time such appointment is made and the acceptance of such appointment by the county surveyor; or

(b) In other cases, upon the expiration of the term of the person who holds the office of county surveyor at the time the appointment of county engineer is made; provided, that if such appointment is made within six months of the expiration of the then current term of county surveyor, the office of surveyor in such county shall be and is hereby abolished upon the expiration of the next succeeding term.

Sec. 12. Nothing herein contained shall be held, deemed or construed to prevent members of boards of supervisors from visiting and inspecting work in progress within the county or receiving for such services the mileage now allowed by law.

Sec. 13. This act shall be known as and when cited or amended may be designated as "the county engineer act."

## OFFICIAL ENGINEERING POSITIONS IN CALIFORNIA.

The Compensation Committee of the San Francisco Chapter, A. A. E., has started a survey of all official engineering positions in the State of California in order to create a sound basis for an intelligent wage study. We have compiled all the official information attainable from reports and other public documents, and invite the engineers of California to send us any information possible that will bring our data up to date. We shall print our data as we proceed in compiling it, and when all corrections have been made and the report is up to date, it will be published in full so we shall have a basis to work on in the future that is well worth the labor.

COMPENSATION COMMITTEE, S. F. CHAPTER,

A. A. E.,  
GEORGE M. NELSON, Chairman.  
Consulting Engineer

## ALAMEDA COUNTY.

Surveyor ..... per year, \$4,000.00  
1 Deputy ..... per year, 2,700.00

Surveyor: Work directed, or charged to be performed by law, to be at actual cost. On all such work other than block work hereinafter provided for—transit men and office men, when actually engaged, shall receive not exceeding \$6.00 per day; chain men \$3.00 per diem.

For making, platting, tracing or otherwise preparing maps, plats or block books for use of county or any municipality within county there is allowed surveyor following draughtsmen:

1 Chief ..... \$175  
1 Asst. .... 125

4 Asst., not exceeding 8 months, at \$125 per month each. Surveyor allowed necessary expenses for work performed for the county by virtue of his office and all necessary expenses and transportation for work performed in the field. Salary is in lieu of all other fees, commissions or compensation of any nature.

## ALPINE COUNTY.

Surveyor ..... Fees.

## AMADOR COUNTY.

Surveyor ..... Fees

## BUTTE COUNTY.

Surveyor ..... Fees

## CALAVERAS COUNTY.

Surveyor ..... Fees

## COLUSA COUNTY.

Surveyor ..... per year, \$1500

Surveyor allowed actual traveling expenses incurred in the performance of any order of the Court or Board of Supervisors, also for all other fees allowed by law. Board of Supervisors may authorize Surveyor to employ such assistants as may be necessary to perform such work as may be ordered by the Supervisors or prescribed by law and fix compensation of said assistants not to exceed \$3 per day and actual traveling expenses while in the field.

## CONTRA COSTA COUNTY.

Surveyor ..... Fees

Allowed all necessary expenses and transportation for work performed in the field in lieu of all fees and per diem heretofore allowed by law.

## DEL NORTE COUNTY.

Surveyor ..... Fees

## EL DORADO COUNTY.

Surveyor ..... Fees

## FRESNO COUNTY.

Surveyor ..... per year, \$2,000

Allowed actual expenses while at work in the field.

## GLENN COUNTY.

Surveyor ..... per diem, \$10

## HUMBOLDT COUNTY.

Surveyor ..... per year, \$2,000

## IMPERIAL COUNTY.

Surveyor ..... per year, \$1500

Allowed actual expenses incurred in the performance of any order of the Court or Board of Supervisors. He is allowed actual expenses to plat, trace or otherwise prepare maps, plats or block book for the use of the Assessor.

## INYO COUNTY.

Surveyor ..... Fees

## KERN COUNTY.

Surveyor ..... per year, \$1800

Allowed actual and necessary traveling and official expenses and official expenses in the county.

## KINGS COUNTY.

Surveyor ..... Fees

## LAKE COUNTY.

Surveyor ..... Fees

## LASSEN COUNTY.

Surveyor ..... Fees

(Continued Next Week.)

# ADVANCE NEWS

## Official Proposals, Etc.

### Building.

#### APARTMENT HOUSES.

Contract Awarded.  
APARTMENTS Cost, \$75,000  
SEATTLE, Wash. No. 232 23rd Avenue North.

Two and four-story brick and mill construction apartments, 103x70. (28 2, 3 and 4 room apts.)

Owner—Mrs. Mary A. Neese.  
Architect—E. W. Houghtaling, Lumber Exchange Bldg., Seattle.  
Contractor—Noyes & Howe, American Bank Bldg., Seattle, Wash.

Contract Awarded.  
THEATRE, ETC. Cost, \$140,000  
TUCSON, Ariz.

Two-story reinforced concrete store, theatre and apartment house Bldg.

Owner—Congress Realty Co.  
Architects—Wm. Curlett & Son, Merchants' National Bank Bldg., Los Angeles.

Contractor—Edwards & Wildey, 515 Black Bldg., Los Angeles.  
This contract is for all work except heating, plumbing, wiring and painting. Total cost of building, \$175,000.

Contract Awarded.  
APARTMENTS Cost, \$71,530  
SAN FRANCISCO, S Jackson Street E of Powell Street.

All work except plumbing, painting, steam heating, elevator work, light fixtures and hardware for three-story brick apartment house (6 3-room apts.)

Owner—M. and S. Spiro & S. Heiman.  
Architect—S. Heiman, 57 Post St., San Francisco.

Contractor—Thos A. Cavanaugh, 180 Jessie St., San Francisco.

Ready for Segregated Figures in a Few Days.

APARTMENTS Cost, \$—  
PATTERSON, Stanislaus Co., Cal.

Two-story brick store and apartment building, four stores and 4 4-room apartments.

Owner—J. H. Evans.  
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Plans Being Prepared.  
APARTMENTS Cost, \$45,000  
SAN FRANCISCO, S Pine 60 W Stockton Streets.

Three-story and basement frame apartment house (24 2 and 3 room apts. 54 rooms).

Owner—Withheld.  
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.

NOTE:—Excavation will start within a week.

To be Done by Days Work! Sub-Figures to be Taken Shortly.  
APARTMENTS Cost, \$24,000  
SAN FRANCISCO, E Larkin 100 N

Post Street.  
Four-story and basement brick apartments, 37½x51½.  
Owner—J. S. Oursch.  
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.  
Excavation to start immediately.

Plans Being Prepared.  
ADDITION Cost, \$9,000  
FRUITVALE, Alameda Co., Cal.

One-story frame addition to one-story concrete store building for 2 5-room apartments.

Owner—Withheld.  
Architect—Edwin J. Symmes, 1700 Pearl St., Alameda.

#### BANKS.

Plans Being Prepared.  
BANK BLDG. Cost, \$25,000  
LOTELA, Humboldt Co., Cal.

One-story reinforced concrete bank building.

Owner—Bank of Lotele.  
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Architects Ordered to Complete Plans.  
BANK, ETC. Cost, \$—  
SACRAMENTO, SE Seventh and "K" Streets.

Eighteen-story Class "A" bank, office and club building.

Owner—Fort Sutter and Sacramento Banks (J. M. Henderson Jr., Pres.)  
Architects—Weeks & Day, Phelan Bldg., San Francisco.

It is expected plans will be completed in about three months so that construction will start this year.

#### CHURCHES.

Plans Being Prepared. Ready for Figures in About a Week.

BANK BLDG. Cost, \$25,000  
KELSEYVILLE, Lake Co., Cal.

One-story reinforced concrete bank building (branch bank).

Owner—Farmers Bank of Lakeport.  
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

#### FACTORIES AND WAREHOUSES.

Plans Being Prepared.  
ELEVATORS Cost, \$100,000  
OAKLAND, Alameda Co., Cal. 14th and Poplar Streets.

Eight reinforced concrete wheat elevators (100,000 bushel capacity)  
Owner—Pacific Coast Shredded Wheat Co., Premises.

Architect—J. S. Bogart, Mills Bldg., San Francisco.

MERCED, Merced Co., Cal.—The Carnation Milk Products Company is planning the erection of a milk condensary at Gustine, Merced County, to cost \$250,000. Plans for the work have been started in the engineering offices of the company at Seattle. F. C. Kinzer, Western Division Manager, has left for Seattle to complete details for the proposed structure.

Preliminary Plans Being Prepared.  
STORE AND LOFT BUILDING

Cost, \$—  
SAN FRANCISCO, S Sutter Street, bet. Powell and Mason Streets.  
Two-story and basement Class "C" store and loft building.  
Owner—Dunn, Williams & Co.  
Architects—Rousseau & Co. Rousseau, 110 Sutter St., San Francisco.  
Lessee—E. Curtis, 314 Sutter St., San Francisco.

Plans Being Figured.  
ALTERATIONS Cost, \$20,000  
SAN FRANCISCO, No. 657 Mission.  
Alter six-story reinforced concrete loft building (concrete, carpenter, plumbing and elevator, etc.)

Owner—Owl Drug Co.  
Architect—A. R. Denke, 1087 Market St., San Francisco.

Segregated Figures Being Taken.  
ALTERATIONS Cost, \$30,000  
SAN FRANCISCO, SW Golden Gate Avenue and Octavia Street.

Alter four-story frame building for factory (plumbing, heating, electric work, elevators, plastering, fire escapes, painting, stairs, marble and glass work.)

Owner—Withheld.  
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Bids in and Under Advisement.  
ALTERATIONS Cost, \$—  
SAN FRANCISCO, No. 46 Kearny St.  
Alter 5th floor of building for candy factory.

Owner—Maskey Estate, Premises.  
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Contract Awarded. Sub-Figures to be Taken Next Week.

WAREHOUSE Cost, \$70,000  
EMERYVILLE, Alameda Co., Cal.

One-story brick and concrete warehouse, 200x100.

Owner—Western Canning Co., Emeryville, Cal.  
Architect—Not Given.

Contractor—P. J. Walker Co., Monad-

#### FLATS.

Day's Work. Sub-Figures Being Taken.

FLATS Cost, \$—  
SANTA MONICA, On the Ocean Front

Two-story frame and plaster flat building. (12 5-room flats).

Owner—Withheld.  
Architect—Fred J. Soper, 1122 Story Bldg., Los Angeles.

#### GARAGES.

Plans Being Figured.  
ADDITION Cost, \$—  
SAN FRANCISCO, E Valencia 137 S McCoppin, No. 125 Valencia St.  
One-story and mezzanine Class "C" addition to garage.

Owner—Mellanie Lamsley and Millie L. Wright.  
 Architect—Arthur S. Hughes, 316 Sharon Bldg., San Francisco.

Plans to be Prepared.  
 GARAGE Cost, \$45,000  
 MODESTO, Stanislaus Co., Cal. "H"  
 and 12th Streets.  
 One-story concrete garage, 75x175.  
 Owner—Claude W. Schackelford, Modesto, Cal.  
 Architect—Not Yet Selected.

Excavation Started.  
 REPAIR SHOP Costh, \$9,500  
 MODESTO, Stanislaus Co., Cal. "H"  
 Street, bet. 10th and 11th Sts.  
 One-story brick auto repair shop, 50 by 50.  
 Owner—D. T. Bunker, 318 Magnolia St., Modesto.  
 Architect—Not Given.  
 Work being done under supervision of O. H. Gulickson, Modesto.

Contract Awarded.  
 GARAGE Cost, \$2026  
 AUBURN, Placer Co., Cal. County Hospital Grounds.  
 One-story brick garage.  
 Owner—County of Placer.  
 Architect—J. E. Barieu, County Engineer, Auburn, Cal.  
 Contractor—L. M. Liscomb, Auburn.

## GOVERNMENT WORK & SUPPLIES.

PANAMA CIRCULAR 1303—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed bids are wanted until September 20, circular 1303, for furnishing steel, copper, iron or steel pipe, boiler tubes, steel chain, bolts, nuts, nails, rivets, screws, washers, poultry netting, wire cloth, barbed wire, valves, sanitary fixtures, hardware, blocks, aspidisks, life preservers, oars, aluminum ware, chinaware, enamelware, glassware, silverware, asphalt shingles, door mats, wax, cement, linseed oil, zinc, stationery supplies, type-writer ribbons, paper napkins and towels, tracing cloth, paper, millwork and lumber. For information address above office.

## POST OFFICE REPAIR CONTRACT AWARDED.

The contract for repairs to gutters and screens at the U. S. Post Office Building, San Francisco, Cal., has been awarded to Alfred H. Vogt, 185 Stevenson street, at \$793, the work to be completed in 30 days.

BENICIA, Solano Co., Cal.—The following bids were received August 30th by Colonel O'Hern, Commander at the Benicia Arsenal, for the construction of a two-story reinforced concrete Quartermaster's Commissary building.  
 Robert Trost, 26th and Howard Sts., San Francisco, submitted the lowest bid at \$19,490.  
 Robert Trost, S. F. \$19,490  
 Del Favero & Rasori, S. F. 21,581  
 McLeran & Peterson, S. F. 23,961  
 Alfred H. Vogt, S. F. 27,971

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, Washington, D. C., have issued plans for the proposed electric lighting and power systems at the Mare Island Navy Yard, specification 3982,

to the following firms:  
 John R. Proctor, 74 Courtland St., New York City.  
 Howard P. Foley Co., Washington, D. C.  
 Riggs, Distler & Stringer (Inc.), 216 N. Calvert street, Baltimore, Md.  
 Carroll Electric Co., 712 12th street, Washington, D. C.  
 Westinghouse Electric and Mfg. Co., Washington, D. C.  
 General Electric Co., Schenectady, N. Y.

White City Electric Co., Washington, D. C.  
 Ridgeway Dynamo and Engineering Co., New York City.

Bids for this work will be opened on October 1st under Specification No. 3982. The work is estimated to cost \$25,000. Plans may be obtained from the Public Works Department, Mare Island.

The Bureau has issued plans for the Puget Sound, Washington, reciprocating air compressor as follows:

Nordberg Mfg. Co., Milwaukee, Wis.  
 Sullivan Machinery Co., 30 Church street, New York City.  
 Allis-Chalmers Mfg. Co., Washington, D. C.

This work will cost in the neighborhood of \$62,000, and is provided for under Specification No. 3837. While the closing date for opening bids for this project has not yet been set it is thought that it will be in the near future.

SAN FRANCISCO.—The expenditure of \$114,000,000 for the development of the San Francisco bay naval base is proposed in plans submitted by Captain E. L. Beach, Commandant of Mare Island Navy Yard to Secretary of the Navy Daniels. Development of the Mare Island yard would cost \$26,000,000, according to the plans. The Alameda site, across the bay from San Francisco, would cost \$42,000,000, and the Hunters Point site, at the southern end of San Francisco, \$46,000,000, it was estimated.

SEALED PROPOSALS, indorsed "Proposals for Electric Lighting and Power System Structural Shop, Mare Island, Specification No. 3982," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock A. M., October 1, 1919, and then there publicly opened, for furnishing and installing transformers, wires, cables, metal conduits, fittings, fixtures, reflectors, switches, receptacles, panel boards and cabinets, necessary for complete electric lighting and power system for the Structural Shop at the Navy Yard, Mare Island, Calif. may be obtained on application to the Drawings and specification No. 3982 Bureau or to the Commandant, Navy Yard, Mare Island, Calif. Deposit of a check or postal money order for \$10.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification within five days after the award of the contract.

C. W. PARKS, Chief of Bureau.  
 August 6, 1919.

## HALL AND SOCIETY BUILDINGS.

Plans Being Prepared.  
 LODGE BLDG. Cost, \$100,000  
 PORTLAND, Ore. SW Park and Taylor Streets.  
 Four-story and basement brick and mill construction lodge building, 50x100.  
 Owner—Knights of Columbus.  
 Architect—Jas. Jacobberger, Board of Trade Bldg., Portland.  
 (29878) A to F Q W X 198 to 201-5

## POWER PLANTS.

SAN FRANCISCO.—The State Railroad Commission has granted permission to the San Joaquin Light & Power Company, which is building a 30,000 K. W. power plant on the San Joaquin river and carrying on extensive construction work on the Kings River, the entire plan calling for an expenditure of approximately \$4,000,000, to sell bonds to the extent of \$1,250,000.

The construction work for which the bond issue just authorized will meet part of the expense, is now in active operation, and when completed will involve an expenditure of nearly \$50,000,000.

SEATTLE, Wash.—The City Council has appropriated \$4,320,000 with which to finance construction of the power site road, a saw mill on the Skagit and for the preparation of plans to cover the Skagit project.

## PUBLIC BUILDINGS.

TURLOCK, Stanislaus Co., Cal.—The City Council has instructed the City Attorney to draw up the necessary papers calling an election to vote bonds of \$20,000 with which to provide funds for the erection of a city hall.

CARSON CITY, Nevada.—The State Board of Capitol Commissioners has adopted specifications prepared by Architect F. J. De Longchamps, Reno, Nevada, for painting the State Capitol and State Library Buildings, and bids have been ordered received. Bids will be asked for painting the two structures separately.

## RESIDENCES.

To be Done by Day's Work. Owner to Take Sub-figures.  
 BUNGALOWS Cost, \$12,000 each  
 BURLINGAME, San Mateo Co., Cal.  
 Two one-story frame bungalows (5 rooms and garage.)  
 Owner—John Rutherford, Redwood City, Cal.  
 Architect—C. C. Dakin, 68 Post St., San Francisco.

Plans Complete. To be Done by Day's Work.  
 BUNGALOW Cost, \$5,000  
 INVERNESS, Marin Co., Cal.  
 One-story frame bungalow and garage  
 Owner—Balfour Adamson.  
 Architect—Wm. Knowles, Hearst Bldg., San Francisco.

To be Done by Day's Work  
 RESIDENCE, ETC. Cost, \$30,000  
 LOS ANGELES. Windsor Blvd. near 6th St. Windsor Square.  
 Two-story hollow tile residence and

garage, 10 rooms and 3 bathrooms.  
Owner—Irwin J. Muma.  
Architect—Arthur R. Kelly, 1110 Story Bldg., Los Angeles.

Contract Awarded.  
RESIDENCE. Cost, \$—  
WEST HOLLYWOOD, Los Angeles Co.  
Hillhurst Park.

Two-story and basement hollow tile residence, 12 rooms and 3 bathrooms.

Owner—Stafford W. Bixby.  
Architect—Elmer Grey, 508 Wright & Callender Bldg., Los Angeles.  
Contractor—Willard-Brent Co., 1119 Baker-Detwiler Bldg., Los Angeles.

Plans Being Prepared.  
RESIDENCE. Cost, \$10,000  
CHICO, Butte Co., Cal.  
Two-story and basement frame and stucco residence (8 rooms and 2 bathrooms.)

Owner—Dr. C. W. Currie.  
Architect—Chester Cole, Chico, Cal.

Plans Being Prepared.  
RESIDENCE. Cost, \$15,000  
BERKELEY, Alameda Co., Cal. Los Angeles St., Northbrae.

Two-story and basement frame residence (11 rooms and 2 bathrooms and garage.)

Owner—R. Donnelly.  
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Prepared.  
RESIDENCE. Cost, \$—  
LOS ANGELES, North Vermont Ave. near Los Feliz Road.

Two-story hollow tile residence, 12 rooms and 3 bathrooms.

Owner—J. W. McFarland.  
Architect—H. H. Whiteley, 428 Story Bldg., Los Angeles.

Plans Being Prepared.  
RESIDENCE. Cost, \$30,000  
LOS ANGELES, NE Wilshire Blvd. and Kingsley Drive.

Two-story hollow tile residence, 10 rooms and 3 bathrooms.

Owner—Mrs. A. Ramish.  
Architect—H. H. Whiteley, 428 Story Bldg., Los Angeles.

Plans Being Prepared.  
RESIDENCE. Cost, \$—  
LOS ANGELES, Western Ave. near Wilshire Blvd.

Two-story and basement hollow tile residence, 8 rooms.

Owner—Mr. Johnson.  
Architect—Walker & Elsen, 1402 Hibernian Bldg., Los Angeles.

Sub-Figures Being Taken.  
RESIDENCE. Cost, \$—  
LOS ANGELES, Fremont Place.

Two-story and basement hollow tile and frame residence, 16 rooms and 5 bathrooms.

Owner—W. J. Arkell.  
Architect—A. E. Sedgwick, 1010 Gai-land Bldg., Los Angeles.

Contract Awarded on a Percentage Basis.  
RESIDENCE. Cost, \$20,000  
LOS ANGELES, Windsor Blvd. Bet. 3rd and 4th Sts.

Two-story and basement frame residence.

Owner—John J. Spangler.

Architect—Elmer Grey, 508 Wright & Callender Bldg., Los Angeles.  
Contractor—Frank Graves & Son, Building Industries Association, Los Angeles.

Contract Awarded.  
BUNGALOWS. Cost, \$3,000 each  
MARTINEZ, Contra Costa Co., Cal.  
Piedmont Tract.

Twenty one-story and basement frame bungalows, 4 and 5 rooms each.

Owner—Shell Oil Co.  
Contractor—E. R. Colvin, Martinez, Calif.

To Be Done by Day's Work.  
RESIDENCE. Cost, \$—  
WOODLAND, Yolo Co., Cal.

Two-story frame residence (10 rooms and 2 separate garages).

Owner—Alec MacPherson.  
Architect—Wm. Knowles, Hearst Bldg., San Francisco.

TULARE, Tulare Co., Cal.—Because of technical errors in the proceedings which caused the bond buyers to refuse to accept the \$60,000 bonds voted for a municipal auditorium, a mass meeting of citizens authorized the calling of a new election to vote on issuing \$100,000 bonds for a municipal auditorium and city hall, the former amount having been found insufficient for the kind of building desired.

W. C. Perry and G. B. Sturgeon, Newhall Bldg., San Francisco, are the architects.

Plans Being Figured.  
RESIDENCE. Cost, \$15,000  
BERKELEY, Alameda Co., Cal. Los Angeles St., Northbrae.

Two-story and basement frame residence (11 rooms and 2 bathrooms and garage.)

Owner—R. Donley.  
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.

Sub-Figures Being Taken.  
RESIDENCE. Cost, \$10,000  
OAKLAND, Alameda Co., Cal. SW Excelsior Ave. and Alma St.

Two-story and basement frame and plaster residence.

Owner—W. S. Zeller, 2619 San Jose Ave., Alameda.

Architect—Edwin J. Symmes, 1700 Pearl St., Alameda.

Sub-figures are being taken on all parts of the work, except plastering, mill and glazing, which have been awarded. Carpentry work will be done by days labor.

September 5, 1919.

Plans Being Prepared.  
RESIDENCE. Cost, \$6,000  
SAN FRANCISCO, Park-Presidio District.

Frame residence (7 rooms).

Owner—Withheld.  
Architect—C. O. Clausen, Hearst Bldg. San Francisco.

SAN FRANCISCO.—Contractor Marcus Marcussen, 201 Sansome St., has awarded the following contracts in connection with the construction of a two-story and basement frame and plaster residence in Presidio Terrace for M. H. Salz, San Mateo. Plans were prepared by Architect Lewis P. Ho-

bart, Crocker Bldg.  
Plastering to T. C. Morehouse, 11 Jessie St.; mill work to Pacific Mf. Co.; electric work to Wedel Electric Company.

## SCHOOLS.

Contracts Awarded.  
SCHOOL. Cost, \$—  
BERKELEY, Alameda Co., Ca

Dwight Way opp. Bowditch.  
Three-story and basement brick an-

terra cotta school building.

Owner—Berkeley Baptist Divinity School, 2601 Dwight Way, Bkly.

Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.

Concrete work awarded to Thor Cavanaugh, 180 Jessie St., San Francisco.

Brick work and setting of terra cotta to White & Gloor, 110 Jessie St. San Francisco.

Terra cotta work to Livermore Firebrick, Rialto Bldg., San Francisco.

Sheet Metal to Yager Sheet Metal Co., 3509 Chestnut St., Oakland.

Glazing to Cobbledick-Kibbe Glass Co., 301 Washington St., Oakland.

Preliminary Plans Being Prepared.  
SCHOOL BUILDINGS

Cost, \$150,000.  
BISHOP, Inyo Co., Cal.

Group of High School Buildings.

Owner—Bishop High School District  
Architect—W. H. Weeks Jr., 75 Post St., San Francisco.

A bond election will be held on October 15th.

Bonds Voted, Bids to be Called Where Bonds are Sold.

SCHOOL. Cost, \$50,000  
DAVIS, Yolo Co., Cal.

One-story hollow tile and plaster school (5 rooms, kindergarten domestic science and manual training rooms, auditorium with seating capacity of 400).

Owner—Davis School District.  
Architects—Geo. C. Sellon & Co., 1005 8th St., Sacramento, Cal.

DUNSMUIR, Siskiyou Co., Cal.—Bids will be received by the Trustees of the Dunsmuir High School District up to October 1st, 8 P. M., for the erection of the proposed Dunsmuir High School Building.

Plans may be had from Mrs. Sue P. Cornish, Clerk of the District or from the Architect, G. E. Teets at Sisson, Cal.

BERKELEY, Cal.—Bids were opened Tuesday (yesterday) for alterations and additions to two schools at Berkeley, Calif., as follows:

John Muir School. Frame Addition.

Jas. W. Plachek, Architect.

Excavating, Concrete, Etc.

Jepsen Bros. \$10,670

Carpentry, Etc.

Mathew Morton \$47,777

Connor & Connor 48,600

C. D. Vezey 49,985

Wm. Bruce 53,575

Plastering.

Wm. Makin \$5,893

G. Dixon 8,000

John Thompson 9,640

Painting.

Jas. Cahill & Co. \$3,100



R. Zelinsky .....	3,982
D. Zellinsky .....	5,300
<b>Plumbing.</b>	
F. W. Snook & Co. ....	\$4,257
J. E. O'Mara .....	6,749
Geo. Stoddard .....	7,100
John I. Collins .....	7,253
Eugene Ehret & Son ..	7,264
Wm. Picard .....	7,433
Scott Co. ....	7,450
Wm. F. Wilson .....	7,549

<b>Tile Work.</b>	
Scott Co. ....	\$398
Regney Tile Co. ....	398
Wm. H. Wallis .....	635

<b>Electrical Work.</b>	
Kings Electrical Co. ....	\$1,657
Electrical Constr. Co. ..	2,000
Capital Electrical Co. ....	2,295
Berkeley Electrical Co. ..	2,349
Bradshaw Elec. Co. ....	2,440
B. C. White .....	2,920

<b>Heating and Ventilating.</b>	
W. K. Nottingham .....	\$14,133.30
Scott Co. ....	14,668.00
J. E. O'Mara .....	15,500.00
Wm. F. Wilson Co. ....	16,987.00
<b>Edison School, One-story Brick Addition. W. H. Ratcliff Jr., Architect.</b>	
<b>Excavation, Etc.</b>	

<b>No bidders.</b>	
<b>Carpentry.</b>	
C. Christensen & Son .....	\$21,864
S. J. Bertelsen .....	25,828
Walter Sorensen .....	26,995

<b>Brick Work.</b>	
W. J. Mealey .....	\$13,940
W. T. Bond .....	18,000
White & Gloor .....	18,500

<b>Plastering.</b>	
Geo. Dixon .....	\$850
Wm. Makin .....	995

<b>Painting.</b>	
D. Zelinsky & Son .....	\$1,720
R. B. Frisby .....	3,307

<b>Plumbing.</b>	
F. W. Snook & Co. ....	\$4,385
Wm. F. Wilson & Co. ....	6,959
John I. Collins .....	7,722
W. H. Picard .....	7,323
J. E. O'Mara .....	7,426
Scott Co. ....	7,612
Geo. Stoddard .....	7,700

<b>Electrical</b>	
Kings Electrical Co. ....	\$ 745
Capital Electrical Co. ....	934
Berkeley Electrical Co. ....	1,366

<b>Heating</b>	
Scott Co. ....	\$2,997.00
Wm. F. Wilson Co. ....	3,209.00
John I. Collins .....	3,246.00
W. K. Nottingham .....	3,423.40
J. E. O'Mara .....	4,100.00

<b>Tile</b>	
Rigney Tile Co. ....	\$2,297
Scott Co. ....	3,000

<b>SCHOOL BONDS VOTED.</b>	
MARTINEZ, Contra Costa Co., Cal.	
Bonds of \$12,000 have been voted to finance construction of a new school building for the Pleasant Hill School District.	

Plans Being Figured. Bids Close September 20, 1919, 2 p. m.

<b>GYMNASIUM.</b>	
CONCORD, Contra Costa Co., Cal.	Cost, \$—
One-story frame and plaster gymnasium.	
Owner—Mt. Diablo Union High School District.	
Architect—Wright & Sala, Bank of Italy Bldg., Stockton.	

<b>SCHOOL.</b>	
MARTINEZ, Contra Costa Co., Cal.	Cost, \$12,000

Pleasant Hill School District.  
Frame and plaster school.  
Owner—Pleasant Hill School District.  
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

NOTE:—Bonds have been voted. Plans will be ready for figures in about a month.

SAN FRANCISCO—Architect W. D. Shea, 244 Kearny St., has awarded the following contracts in connection with the construction of a two-story reinforced concrete school building at 14th avenue and "I" St. for St. Ann's Parish:

Plastering to J. J. Leonard, 180 Jessie St., for \$6,950.

Electric work to The Standard Electrical Construction Co., for \$1,376.

MODESTO, Stanislaus Co., Cal.—Bonds in the sum of \$350,000 carried at a recent election and will finance construction of school improvements as follows:

Altering and remodeling four of the grammar schools, \$185,000.

Enlarging the present high school buildings and constructing new gymnasium building and equipping same, \$165,000.

C. R. Gailfus is President of the Modesto School Board.

PARADISE, Butte Co., Cal.—The site for the proposed \$20,000 school building to be erected for the Paradise School District has been selected and construction is expected to start in the immediate future.

Bonds to finance construction of the building were voted some time ago.

VISITACION, San Mateo Co., Cal.—An election will be held in the Visitation School District September 23rd, to decide the question of issuing and selling bonds of \$24,000 with which to finance the purchase of a site, erect and equip a new school building. Edward H. Schwerin and Lillian M. Boggess are trustees of the District.

LONG BEACH, Los Angeles Co., Cal.—The Long Beach Board of Education has decided to call an election to vote \$490,000 bonds for building schools. It is planned to purchase additional ground and build a 10-room school at Fifteenth street and Linden avenue, erect 10-room buildings on both the Daisy and Burnett school grounds, add second stories of eight rooms to both the Fremont and Temple schools, probably add another wing to the American Avenue school, and add about 20 rooms, auditorium and gymnasium to the high school. The proposed bond issue will provide \$340,000 for elementary schools and \$150,000 for the high school.

CHICO, Butte Co., Cal.—The City Board of Education has awarded a contract to L. Var Vlack, Chico, at \$15,575, for the installation of sanitary systems in six grammar schools. This contract was formerly awarded to C. C. De Marais, Fire Chief of Chico, but owing to his being connected with a city department it was necessary to rescind the award. The bid of De Marais was \$15,055.

Plans were prepared by Architect Chester Cole of Chico.

FRESNO, Fresno Co., Cal.—Bids received by the Fresno Board of Education, J. R. Fontaine, Secretary, for the heating and ventilating plans for the Emerson, Hawthorne, Lowell, Lincoln and High School buildings, have been rejected as it was deemed impossible to complete the work at this date and as it would interfere with the school term.

CHICO, Butte Co., Cal.—The following estimates have been submitted by Architects Woollett & Lamb, Physicians Bldg., Sacramento, for the proposed Chico High School, bonds for which will be voted in the near future. Purchase of a site, \$35,000.

Furniture, equipment, sidewalks, \$40,000.

Building complete, including gymnasium, auditorium and 37 class rooms, \$350,000, bringing the cost over \$400,000. Preliminary plans are now in the hands of the school board.

Contracts Awarded.

SCHOOL Cost, \$—  
BERKELEY, Alameda Co., Cal.  
Dwight Way opp. Bowditch.  
Three-story and basement brick and terra cotta school building.  
Owner—Berkeley Baptist Divinity School, 2601 Dwight Way, Bkly.  
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.

Heating, plumbing and tile work awarded to Scott Co.

Carpenter work to Conner & Conner, 2105 Berkeley Way, Berkeley.

Slate Roofing to Merrill Roofing Co., San Francisco.

Electric work to King Electric Co., Oakland.

Plastering to W. Makin, 565 16th St., Oakland.

Work will be started next week.

RIVERBANK, Yolo Co., Cal.—The \$45,000 bond issue of the Riverbank School District has been purchased by the State Board of Control. The proceeds of the sale will finance the construction of additions to the present school building.

MERCED, Merced Co., Cal.—Bids will be received at the office of W. E. Bedesen, Shaffer Bldg., Merced, up to September 17th, 2 P. M., for furnishing labor and material required for the erection and completion of two new temporary school buildings for the Merced School District of which J. A. Keck is Clerk.

Plans Being Figured. Bids Close Sept. 20, 8 P. M.

SCHOOL Cost, \$20,000  
POTTER VALLEY, Mendocino Co., Cal. Potter Valley near Ukiah.  
One-story reinforced concrete school. (5 rooms and auditorium).

Owner—Potter Valley-School District Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

A deposit of \$10 will be required for plans taken away from Architect's office.

Low Bidder. Cost, \$—  
STOCKTON, San Joaquin Co., Cal.  
Calla School District.

School.  
Owner—Calla School District.

Architects—Wright & Salla, Bank of Italy Bldg., Stockton.  
Contractor—Van Fil, Ripon, Cal.  
Proposition (A) \$17,300; (B) \$500; (C) \$1250.  
Bids were taken under advisement.

(By Special Wire.)

MERCED, Cal.—The following contracts were awarded September 2nd by the Merced Union High School Board for the construction of three brick and concrete high school buildings. Plans were prepared by Architects Allison & Allison, Hibernal Bldg., Los Angeles.

Contract No. 1—For the excavating, concrete, masonry, terra cotta work and all carpentry work. Bid No. 1 with Alternate Bids A and B.

E. E. Etherton, Monadnock Bldg., San Francisco, \$90,788.

No. 2—For sheet metal work, etc. Bid No. 1 with Alternate Bid A.

R. Bancroft & Son, Merced, \$1,135.

No. 3—For tile roofing, etc., Bid No. 1 with Alternate Bid A.

C. L. Passmore, Los Angeles, \$9,255.

No. 4—For composition roofing. Bid No. 1 with Alternate Bid A.

Fiberstone & Roofing Co., San Francisco, \$435.

No. 5—For plastering. Bid No. 1 with Alternate Bid A.

J. Greenback, San Francisco, \$9,180.

No. 8—For painting. Bid No. 1 with Alternate Bids A and D.

E. E. Etherton & Co., San Francisco, \$4,248.

No. 8—For electric work, etc. Bid No. 1 with Alternate Bid A.

Golden State Elec. Co., Los Angeles, \$5,750.

No. 9—For plumbing, gas fitting and sewerage, etc. Bid No. 1 with Alternate Bid A.

Hately & Hately, Mitau Bldg., Sacramento, \$8,785.

No. 11—For hardware. Bid No. 1 with Alternate Bid A.

Contract held up waiting for samples.

No. 12—For heating and ventilating. Bid No. 1 with Alternate Bid A.

Hately & Hately, Sacramento, \$7,435.

## STORES AND OFFICES.

Plans to be Prepared.

STORES, ETC. Cost, \$30,000

MODESTO, Stanislaus Co., Cal. Tenth Street bet. K and L Streets.

Two or three-story brick stores and offices, 50x140.

Owner—C. C. Parks.

Architect—Not Yet Selected.

NOTE—Erection of building depends upon satisfactory lease.

Completing Plans. Segregated Figures to be Taken Shortly.

STORES, ETC. Cost, \$30,000

SAN FRANCISCO. N Bush W Taylor.

One-story brick "C" building, 82-6x 137-6 (5 stores and machine shop.)

Owner—Withheld.

Architect—M. L. Schwartz, Nevada Bank Bldg., San Francisco.

Eureka Teaming & Grading Co. to be awarded grading contract.

Plans Being Figured.

ALTERATIONS Cost, \$—

SAN FRANCISCO. NE Kearny and Market Streets (Chronicle Bldg.)

Alter first floor and build mezzanine floor for offices.

Owner—M. H. de Young.

Architect—Supt. of Chronicle Bldg., 204 Chronicle Bldg., San Francisco.

Contract Awarded.

STORE Cost, \$—

RICHMOND, Contra Costa Co., Cal. Macdonald Avenue.

One-story and basement reinforced concrete store.

Owner—W. H. Alfs.

Architect—W. H. Crim, 425 Kearny St., San Francisco.

Contractor—Einer Petersen, 4059 17th St., San Francisco.

Plans Being Prepared.

POST OFFICE BLDG. Cost, \$12,000

SAN FRANCISCO. NW Haight and Masonic Avenue (L lot).

One-story brick post office building with frame L.

Owner—Goldberg-Bowen Co.

Architect—S. Holman, 57 Post St., San Francisco.

Figures Being Taken.

ALTERATIONS Cost, \$25,000

SAN JOSE, Santa Clara Co., Cal.

Extensive alterations to store.

Owner—Reich & Lieve, 119 S-First St., San Jose.

Architect—Joseph Cahen, 333 Kearny St., San Francisco.

Figures will be taken by the owners at their San Francisco store, No. 125 Geary Street.

Contract Awarded.

ADDITION Cost, \$7,198.

SAN FRANCISCO. N Geary E of Grant Avenue.

Heating for six-story Class "C" addition to Livingston Bldg.

Owner—Imperial Realty Co.

Architect—G. Albert Lansburgh, 709 Mission San Francisco.

Contractor—J. E. O'Mara, 445 Minna St., San Francisco.

Barrett & Hulp, Sharon Bldg., are the General Contractors.

## THEATRES.

Plans Being Figured.

THEATRE Cost, \$—

ANAHEIM, Orange Co., Cal.

Brick motion picture theatre, 75x100. 900 seats.

Owner—Hugo Strodhof.

Architect—E. J. Borgmeyer, 317 Stimson Bldg., Los Angeles.

Plans to be Prepared.

THEATRE Cost, \$50,000

MARYSVILLE, Yuba Co., Cal. D St.

Fireproof theatre (seating capacity of 1200).

Owner—W. H. McAlpine and Mrs. F. H. Hudson, manager and owner of Oregon Theatre, Marysville, Cal.

Architect—Not yet selected.

Contract Awarded.

THEATRE Cost, \$60,000

VALLEJO, Solano Co., Cal.

One-story steel frame and hollow tile theatre building.


Owner—Bell Amusement Co.

Architect—Bernard J. Joseph, Call Bldg., San Francisco.

Steel awarded to Golden Gate Iron Works.

Concrete Work to Goodman Artificial Stone Co., 62 Post Street, San Francisco.

Brick work to H. Drake, 180 Jessie St., San Francisco.



**SAVES YOU MONEY**

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

**PACIFIC PIPE CO.,**  
232 Main Street San Francisco

## Engineering.

### BRIDGES, DAMS AND HARBOR WORK.

#### BRIDGE BIDS OPENED.

HANFORD, Kings Co., Cal.—The following bids were received by the County Supervisors for the construction of the proposed bridge across the Kings River south of Kingsburg:

W. A. Kettiewell & Son, Kingsburg—Class A and Class B cement, in place, \$32 per cubic yard; steel in place, 8 cents per pound for A, B, C and D grades; expansion plates, \$20 each; cedar piling in place, \$1.25 per lineal foot.

Frederickson & Shannon, Fresno—Cement in place, Class A, \$23.57 per cubic yard, Class B, \$19.52; steel in place, grade A, \$.07, B and C grades, \$.068 per pound, D grade, \$.065; expansion plates, \$270; cedar piling, \$.95 per lineal foot.

Antone Johnson, Kingsburg—Cement in place, Class A and B, \$24.98 per cubic yard; steel, grades A and B, \$.06 2-3; grade C, \$.065; grade D, \$.072 per pound; expansion plates, \$190; cedar piling, 95 cents per lineal foot.

Cotton McCauley, San Francisco—Cement in place, Class A, \$26; class B \$32; steel, grades A, B, C and D, \$.055 per pound; expansion plates, \$500; cedar piling, \$.35.

SAN JOSE, Santa Clara Co., Cal.—Bids will be received by Henry A. Pfister, County Clerk, up to October 6th, 11 A. M., for the construction of a reinforced concrete bridge on Edmondson avenue, over the Llagas creek, in Supervisor District No. 1.

LOS ANGELES, Cal.—Five bids were received at the U. S. District Engineer's office on August 29, for con-

structing silt diversion works near Long Beach and Los Angeles harbors, in accordance with revised specifications. On the face of these bids the United Dredging Co., 325 Central Bldg., Los Angeles, submitted the lowest proposal at approximately \$806,750 for the work complete, and The Foundation Co. of New York, the next lowest bid at approximately \$842,900. Before the bids were opened Col. Downing, District Engineer, announced that any bids received by mail which had been posted in time to reach the office before the hour set for opening bids, would be considered. He stated he had received notice of one such bid from Willitt & Burr of San Francisco. Until this bid is received the low bid will not be definitely known.

Bids were taken on revised specifications and quantities scaled down to bring the work within the appropriation of \$1,080,000. The revised quantities are as follows: Div. A, 100,000 cu. yds. earth to be furnished and placed in trestle and levee; 20,000 tons stone revetment; Div. B, 750,000 cu. yds. excavation and earth in levees; 75,000 tons stone revetment; Div. C, 1,300,000 cu. yds. excavation, 25,000 tons stone revetment and 5,000 tons stone in jetties. Bids were called for on each division separate, on combinations, and for the entire work, stone to be furnished exclusive of freight. The bids follow:

United Dredging Co., Los Angeles.—A, B and C together, no bid; Div. A, bar work 70c cu. yd., stone revetment \$2.09 per ton; Div. B, excavation in levee 27c cu. yd., stone revetment, \$2.09 per ton; Div. C, excavation 21c cu. yd., stone revetment and jetties, \$2.09 per ton. Stone from Delez quarry. An alternative bid was submitted for stone revetment under the original specifications as follows: Div. A, \$1.95 per ton for first 20,000 tons, \$1.75 for additional 5,000 tons, and \$1.60 for additional 5,000 tons; Div. B, \$1.95 for first 15,000 tons, \$1.75 for additional 25,000 tons, \$1.60 for additional 50,000 tons; Div. C, \$1.95 for first 25,000 tons, \$1.75 for additional 5,000 tons, and \$1.60 for additional 10,000 tons.

The Foundation Co., New York and San Francisco.—Divs. A and B together: Div. A, 80c cu. yd., \$1.82 ton; Div. B, 31c cu. yd., \$1.82 ton. Divs. A, B and C together: Div. A, 80c cu. yd., \$1.82 ton; Div. C, 31c cu. yd., \$1.82 ton; Div. C, 23c cu. yd., \$1.85 ton. Stone from Temescal quarry at Corona.

R. C. Storrie & Co., San Francisco.—Divs. A, B and C together: Div. A, 75c cu. yd., \$2.15 ton; Div. B, 34c cu. yd., \$2.15 ton; Div. C, 35c cu. yd., \$2.65 ton. Stone from quarries at Corona or Riverside.

L. A. Dredging Co., Los Angeles.—Div. C alone: 21.9c cu. yd., \$2 ton. Stone from Temescal quarry at Corona.

San Francisco Bridge Co., San Francisco.—Div. C alone: 32c cu. yd., \$2.15 ton. Quarry not designated.

EXCAVATORS—Department of the Interior, United States Reclamation Service, Denver, Colo., August 18, 1919.—Sealed proposals for furnishing dragline excavators will be received by the United States Reclamation Service, Denver, Colo., until 2 o'clock p. m. September 18, 1919, and will at that hour be opened. For further par-

ticulars address the United States Reclamation Service, Denver, Colo. F. E. WEYMOUTH, Chief of Construction.

EUREKA, Humboldt Co., Cal.—Bids will be received up to September 10th, 2 p. m., by the County Supervisors for the construction of a wooden truss bridge across Camp Creek near Orleans, in Road District No. 5.

Plans may be had from Fred M. Kay, County Clerk.

SAN JOSE, Santa Clara Co., Cal.—The Supervisors have instructed the County Engineer to prepare plans and specifications for four bridges on the Price Road and one on the Regnart Road. Henry A. Pfister is County Clerk.

SAN JOSE, Santa Clara Co., Cal.—Following bids were received by the County Supervisors for bridge improvements:

Reinforced concrete bridge on Sladky road over Permanente creek in Supervisor District No. 5. Surveyor's estimate, \$1535.

J. H. Miller.....	\$1,450.00
Herschback & Sciarino.....	1,544.07
Wm. Martin.....	1,489.00

Awarded to J. H. Miller at \$1,450.

Reinforced concrete bridge on Alum Rock avenue over Pescuezo creek in Supervisor District No. 3. Surveyor's estimate, \$11,795.

J. H. Miller.....	\$10,993.00
John Doyle.....	13,742.00
Bos & O'Brien.....	14,487.00
Herschback & Sciarino.....	12,382.90
Wm. Martin.....	11,420.00

Awarded to J. H. Miller at \$10,993. Reinforced concrete culverts and shaping of the Bodfish Mill road in Supervisor District No. 1. Surveyor's estimate, \$20,645.

Frank Bryan.....	\$18,989
E. Nommensen.....	21,600

Awarded to Frank Bryan at \$18,989

#### BRIDGE BIDS ORDERED.

PETALUMA, Sonoma Co., Cal.—A call for bids is being prepared by the City Clerk providing for the construction of a reinforced concrete bridge over Thompson Creek on Fourth street between F and G streets.

GLENDALE, Los Angeles Co., Cal.—Surveyors are marking out the channel of Verdugo Wash in the northern part of Glendale preparatory to starting the flood control work there. The wash will be walled on either side with 2-in. iron piles between Louise street and Canada Blvd., and with wooden piles between Louise street and San Fernando Road. There are \$38,000 available for this work. A combined highway and railroad bridge to cost \$70,000 will replace the present wooden trestle over the wash. The Pacific Electric Co. will pay for its portion of the bridge.

SAN FRANCISCO—The State Board of Harbor Commissioners, Ferry Bldg., on recommendation of Chief Engineer White, has awarded the following informal contracts:

To Golden State Miners Iron Works at \$598 for construction of a bucket to be used in connection with Dredger No. 3.

To Fay Improvement Co., Phelan Bldg., for curbing, paving, etc., at the

foot of Leavenworth street at \$1,-811.23.

YUBA CITY, Sutter Co., Cal.—Erle L. Cope, Engineer, 1st National Bank Bldg., San Francisco, has been instructed by the County Supervisors to consult the War Department regarding the proposed Grimes bridge, which it is planned to start construction on in the near future.

Engineer Cope is superintending the construction of bridges planned by the Sutter County Supervisors.

YUBA CITY, Sutter Co., Cal.—The Supervisors have awarded contracts to F. A. Holdener, 2310 J Street, Sacramento, for the construction of a concrete bridge across Croon Creek, about 1½ miles east of Trowbridge at \$7,529, and for the construction of a concrete bridge across Markham slough, about 3 miles southeast of Trowbridge at \$3,409.

Plans for the structures were prepared by Engineer Erle L. Cope, 1st National Bank Bldg., San Francisco.

YUBA CITY, Sutter Co., Cal.—Bids received from F. A. Holden, 2310 "J" street, Sacramento, for the construction of a concrete bridge across Ping Slough, about 1 mile north of Nicolaus at \$3804 and for a concrete bridge on the road between Nicolaus and East Nicolaus at \$3,720 have been rejected by the County Supervisors as being too high.

Plans for the structures were prepared by Engineer Erle L. Cope, 1st National Bank Bldg., San Francisco. Albert B. Brown is County Clerk.

RED BLUFF, Tehama Co., Cal.—Bids will be received by the County Supervisors, H. G. Kuhn, County Clerk, up to October 2nd, 10 A. M., for the construction of a reinforced concrete bridge over Eliza creek and a reinforced concrete bridge over Brush creek, in Supervisor District No. 2.

Certified check of 10%, payable to Chairman of the Board of Supervisors, must accompany each bid.

#### Bridge Plans Being Completed.

AUBURN, Placer Co., Cal.—Jerome Barleau, County Engineer, is completing plans and bids will be called shortly for the construction of the third bridge to form a part of the Grass Valley-Auburn Highway across Rock Creek.

MERCED, Merced Co., Cal.—The Supervisors have awarded a contract to Ernest Green, Modesto, for the construction of a concrete bridge 1,400 feet in length, over the Merced River on the Hillmar-Irwin-Stevinson road, immediately north of the Livingston-Milliken road, on his bid of \$112,600. The structure will have 31 spans with reinforced concrete piling.

MONTEREY, Monterey Co., Cal.—The City Trustees have selected Engineer F. H. Tibblits, Alaska Commercial Bldg., San Francisco, to make a preliminary survey for the proposed harbor improvements. It is planned to finance the improvements through a bond issue of about \$350,000.

**TO RE-FLOOR COUNTY BRIDGES.**  
STOCTON, San Joaquin Co., Cal.—The County Supervisors are planning the re-flooring of county bridges. The lumber used in the work will cost about \$10 per foot, bringing the total expenditure to about \$20,000.

### IRRIGATION PROJECTS.

**HAYFORK, Trinity Co., Cal.**—John B. Enos, John Rourke and R. W. Cuff have been appointed a committee to raise \$1,000 with which to finance a survey of the proposed Hayfork Irrigation District.

It is planned to engage an engineer to prepare costs, etc., which will be submitted prior to calling a bond issue to finance construction of the proposed district.

**KLAMATH FALLS, Ore.**—F. Hill Hunter, engineer for the Sawmill Engineering and Construction Co., has submitted an offer to the Klamath Irrigation District Board of Directors, offering to lay out the proposed system and take bonds of the district for his services.

In general outline Hunter proposes to survey the lands embraced in the district, map out a plan of reclamation, irrigation and drainage and prepare specifications on which the district may proceed to operate and ask for bids. If he is then the successful bidder, he will accept the bonds of the district at 90 cents and proceed with the work.

**PORTERVILLE, Tulare Co., Cal.**—Stockholders of the Tule Independent Ditch Co. have decided to reorganize the company and build a new irrigating system with storage reservoirs in the foothills east of Success Valley. It is estimated the project will cost approximately \$300,000. A committee consisting of Hobart Webster, E. H. Fisher and Robt. Horbach, has been appointed to report on finances and legal aspects of the project at a meeting on September 18.

**OXNARD, Ventura Co., Cal.**—The Oxnard drainage district has voted \$200,000 bonds to construct about 20 miles of drainage ditches. Olmsted & Gillette, Hollingsworth Bldg., Los Angeles, are the engineers. It is probable the work will be done by force account as the exact amount of excavating cannot be determined in advance. Work will not be started for about a month.

### PLAN ORNAMENTAL LIGHTING SYSTEM.

**VISALIA, Tulare Co., Cal.**—A movement to construct a uniform system of electroliers in the business district of Visalia has been inaugurated by the Commercial Club. Samples of modern electroliers and prices will be secured by a committee of the Board of Trade consisting of Secretary J. D. Allen, L. W. Chaffee and City Engineer Gadsby.

**SEATTLE, Wash.**—Bids will be received by the City Council up to September 27th for the purchase of \$1,250,000 worth of municipal light and power utility bonds

### MACHINERY.

**SAN JOSE, Santa Clara Co., Cal.**—There being no bids received for the purchase of two steam road rollers (Kelly-Springfield) the Supervisors have ordered new bids received up to September 15th, 10 A. M. Henry A. Pfister is County Clerk.

**FRESNO, Fresno Co., Cal.**—Bids are being received by J. R. Bontalme, Secretary of the Board of Education for furnishing and delivering one Ford (second hand) motor truck.

### SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

**LOS ANGELES, Los Angeles Co., Cal.**—White & Gaskill, Long Beach, were awarded the contract at \$218,000 for constructing an oil macadam road with disintegrated granite base on Sierra Madre road, Hovey Ave., A St., and Reed road in Road Improvement District No. 149. The road to be improved extends from Lancaster to Redman in Antelope Valley and is 14.19 miles in length. The county will furnish rock only to the value of \$50,000.

**SACRAMENTO, Cal.**—The Clark & Henery Construction Co., Ochsner Bldg., Sacramento, has been awarded a contract by the City Council, M. J. Desmond, City Clerk, for the improvement of 31st street, from Sacramento Blvd., to 4th Avenue, by the construction of concrete curbs and gutters, 6 ft. sidewalks 3½ inches thick; 7 cast iron gutter drains with 6 inch vitrified ironstone sewer pipe elbows, connecting same with 6 inch vitrified ironstone sewer pipe; constructing 8 linear feet of sewer pipe; grading and laying a pavement consisting of hydraulic concrete foundation and a bitulithic wearing surface 1½ inches thick.

**SAN JOSE, Santa Clara Co., Cal.**—Henry A. Pfister, County Clerk, will receive bids up to October 6th, 11 A. M., for the improvement of Bascom avenue in Supervisor District No. 4.

**SACRAMENTO, Cal.**—Bids will be received by the California Commission, 515 Forum Bldg., Sacramento, until 2 o'clock P. M., September 29, 1919, for the construction of the following highway bridges:

Humboldt County, between Garberville and Miranda (I-Hum-1-B), reinforced concrete bridges at Station 94 and Dean Creek.

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

**NEWPORT BEACH, Orange Co., Cal.**—The city council has adopted a notice of intention for the construction of a cement pipe sewer sys-

tem, reinforced concrete septic tank with building, reinforced concrete pumping station with motors and pumps and sludge bed. Notice of publication has been completed and bids will probably be taken during September. The work will be done under the Vrooman act.

**TACOMA, Wash.**—Specifications for 95 miles of roads to be constructed in Pierce county, from funds provided by the special bond levy of \$2,500,000, have been completed by County Engineer Ernest White and a call for bids will be issued in the near future. The specifications will call for concrete, bitulithic or asphaltic concrete. The plan is to give all of the work to one contractor and the bids, on which contractors are already working, will be made for the entire 95 miles of 21 separate roads.

**VENICE, Los Angeles Co., Cal.**—Until 8:30 p. m., September 15, bids will be received by the city of Venice for the improvement of Virginia Ave., involving 14,364 sq. ft. 5-in. concrete paving, 8,540 lin. ft. curb, 10,488 cu. yds. fill, 4,543 sq. ft. cement sidewalk and 162,000 sq. ft. oil surface; also for improvement of Strong's Drive, involving 6,300 cu. yds. fill, 6,540 lin. ft. curb and 98,100 sq. ft. oil surface. Plans and specifications may be obtained from W. F. Crawford, City Engineer and Street Superintendent.

**FRESNO, Fresno Co., Cal.**—The County Supervisors have made application to the U. S. Bureau of Good Roads for \$150,000 Federal aid for construction and repair of forest roads in Fresno County, estimated to cost \$300,000, as follows: Trimmer Springs road, \$30,000; Toll House road, \$30,000; Sand Creek road, \$60,000; Millwood and Sand Creek cut-off, \$30,000; Auberry-Huntington Lake road, \$100,000. The work contemplated on these roads includes grading, graveling, oiling and drainage.

**REDWOOD CITY, San Mateo Co., Cal.**—City Clerk Price has been instructed by the Board of Trustees to call bids for the improvement of Webster street between Washington and Main streets, which will include the construction of curbs and sidewalks. C. L. Dimmitt is City Engineer.

**SACRAMENTO, Calif.**—The City Commissioners, M. J. Desmond City Clerk, have awarded contracts for street improvements to the McGillivray Construction Co. as follows:

Improvement of the alley between L and M streets, from the east line of 20th street to the west line of 21st street, by the construction of two concrete catchbasins with C. I. curbs and covers and connecting same to sewer with vitrified ironstone sewer pipe, by grading and constructing an asphaltic macadam foundation 3½ inches thick with a bitulithic wearing surface 1½ inches thick.

For the improvement of Sacramento to Boulevard from the south line of Fourth to the south line of Eighth avenue by the construction of concrete curbs and gutters, placing 17 C. I. gutter drains with 6-inch vitrified

ironstone sewer pipe elbows attached connecting same to sewer, constructing concrete protective covering over 6-inch vitrified ironstone sewer pipe, 3 concrete manholes with C. I. curbs and covers, 8-inch vitrified ironstone pipe drains, by grading and constructing a hydraulic concrete pavement 4 inches thick with a bitulithic wearing surface 1½ inches thick.

**PETALUMA, Sonoma Co., Cal.**—The Petaluma City Council has passed an ordinance (No. 184) providing for the issuance of \$80,000 in bonds with which to finance the improvement of Main and Third streets.  
Lyman Green is City Clerk.

**TURLOCK, Stanislaus Co., Cal.**—The City Attorney has been instructed to prepare the necessary papers calling an election to vote bonds of \$60,000 with which to finance construction of extensions to the present sewer system.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has passed Resolution of Intention No. 18919 N. S., providing for the improvement of Blossom Street, from the northwest line of Fruitvale Avenue to a point 530 feet northwesterly from the northwestern line of Fruitvale Avenue, by grading; construction of redwood curbs and concrete gutters and paving with an oil-macadam pavement; construction of brick manhole with cast iron inlet top and a vitrified pipe conduit 10 inches in diameter.

**OLYMPIA, Wash.**—The following contracts have been awarded by the Washington State Highway Commission:

Pacific Highway—From Castle Rock north 6.7 miles, in Cowlitz County, clearing, grading and graveling and concrete bridge:  
Henry & McFee, Seattle .....\$241,317.66

Inland Empire Highway—Between Colfax and Ferry, 21.9 miles, grading, draining and surfacing with crushed rock:  
Chris Pedt of Colfax.....\$275,759.87

Central Washington Highway—Between Tyler and Cheney, 7.8 miles in Spokane County, clearing and crushed rock surfacing:  
Gen'l Constr. Co., Spokane.....\$82,505.44

Pacific Highway—Between Blanchard and Allen in Skagit County, clearing and grading 5.5 miles:  
Christ Knutsen and A. Suther of Burlington .....\$44,149.66

Pacific Highway—Same as above, concrete bridge:  
Norris Bros. of Arlington.....\$25,980.00

Pacific Highway—Between Marysville and Silvana in Snohomish County, clearing and grading 1.9 miles:  
E. J. McQuaid of Seattle.....\$15,182.00

North Bank Highway—West from Camas in Clarke County, 4 miles, grading and paving with concrete:  
Pac. Bridge Co., Portland.....\$142,873.91

North Bank Highway—Steel bridge, 190 feet long, over White Salmon River on North Bank Highway between Underwood and Bingen:  
Illinois Steel Bridge Co., of Spokane .....\$35,960.00

**SEATTLE, Wash.**—The City Council has passed a bill providing \$64,000 for the improvement of Westlake avenue No., from Valley street to Fourth avenue No., adjacent to the approach to the Fremont avenue bridge, by paving of an additional roadway.

**PORTLAND, Ore.**—The low bid for the construction of the Hospital Road No. 938, to extend from Terwilliger to the site of the new county hospital, was submitted to the County Commissioners by the Western Construction Co. at \$31,620.10 and \$31,681.10, for grading and construction of culverts with corrugated iron pipe and the other for grading and construction of culverts with concrete pipe.

**PROSSER, Wash.**—The City Council has passed a resolution of intention providing for the improvement of Bennet avenue, etc., the estimated cost of which is \$106,339.84 if constructed of concrete and \$114,523 if constructed of bitulithic.

B. F. Rupert is City Clerk.

**MODESTO, Stanislaus Co., Cal.**—The City Council has decided to call an election to vote bonds to provide funds for an aviation field and fair grounds, street intersections, storm sewers and an electroliner system. Rough estimates indicate that the issue will reach \$200,000.

City Engineer Freitas estimates the construction of storm sewers at \$70,000. The street work will cost about \$60,000.

**HANFORD, Kings Co., Cal.**—The Supervisors have rejected five bids received for furnishing 1200 barrels of cement to be used in connection with the proposed bridge across Kings River south of Kingsburg. The bids were identical—\$3.52 per barrel.

It is understood the cement will be obtained through the County Purchasing Agent.

**OAKLAND, Cal.**—The City Council has passed a resolution of intention providing for the improvement of Octavia street between Penniman avenue and Allendale avenue, by grading, construction of redwood curbs, concrete gutters and the laying of an oil macadam and the construction of cement sidewalks, six feet wide.  
L. W. Cummings is City Clerk.

**SAN ANSELMO, Marin Co., Cal.**—The Town Trustees have rescinded proceedings providing for the improvement of the county road, under Resolution of Intention No. 27.

**YUBA CITY, Sutter Co., Cal.**—By a vote of 26 to 1 the County Highway bond issue providing \$810,000 for the construction of modern county highways carried.

**TURLOCK, Stanislaus Co., Cal.**—The City Trustees have passed a resolution of intention providing for the improvement of Crane, Minaret and East Avenues. The paving of the alley between Broadway and First St., on the north side of Main street, and the branch alley leading off same to Olive street are also included in the work.

**SPOKANE, Wash.**—Petitions asking the construction of about five and one-half miles of sub-trunk and lateral sewers are on file in the office of City Engineer Butler and will be taken up with the City Council within the next few days.

**SAN DIEGO, Cal.**—Fairchild-Gilmore-Wilton Co., 610 S. Main St., Los Angeles, was awarded the contract at \$36,387 for paving portions of Morena Blvd., the unit prices being 25c sq. ft. for concrete paving with bitulithic surface, 50c sq. yd. for excavation and embankment and \$6,000 for culverts complete. Henry Fenton submitted the only other bid at \$37,987.45.

**SANTA BARBARA, Cal.**—Fairchild-Gilmore-Wilton Co., of Los Angeles, was awarded the contract at \$22,485.61 for paving Figueroa and other streets. James P. Donahue of Santa Barbara, submitted the only other bid at \$22,485.61. Engineer's estimate, \$22,462.63. Following are the unit prices bid by Fairchild-Gilmore-Wilton Co.: 71,265.18 sq. ft. 4-in. concrete paving with 1½-in. Warrenite surface, 22.4c sq. ft.; 2,192 lin. ft. combined cement curb and gutter, \$1.35 ft.; 152 lin. ft. cement curb, 50c ft.; 4,031 sq. ft. cement gutter, 24c sq. ft.; 6-in. sewer connection, \$50; main sewer in Anapamu street, \$365; two manholes, \$50 each. A. B. Cook, city engineer.

**SACRAMENTO, Cal.**—The following bids were received September 2nd by the California Highway Commission for highway improvement in three counties:

Humboldt County, between Beatrice and Eureka (I-Hum-1-G) about 7.9 miles in length to be paved with Portland cement concrete.  
Mercer-Frazer Co., Eureka.....\$150,476  
Engineer's Estimate, \$94,754.30.

**SAN JOSE, Santa Clara Co., Cal.**—Bos & O'Brien, Hearst Bldg., San Francisco, have been awarded a contract by the County Supervisors for the improvement of a portion of the King Road in Supervisor District No. 2 at \$12,970. Other bidders were:  
John F. Adams.....\$12,987.50  
C. H. Ellison.....\$13,240.00  
Surveyor's estimate, \$13,330.

**SAN JOSE, Santa Clara Co., Cal.**—The County Supervisors have agreed to the sub-letting of a contract held by Chas. J. Lindgren of Burlingame, to Bos & O'Brien, Hearst Bldg., San Francisco, for the improvement of the King road. Lindgren was awarded the contract on August 4th. Henry A. Pfister is County Clerk.

**LOMPOC, Santa Barbara Co., Cal.**—Immediate steps will be taken to call an election in the fourth supervisorial district to vote on issuing \$400,000 bonds to improve the road from Lompoc to Lompoc Junction at the ocean, 28 miles. The county will contribute \$100,000. The entire amount will not be sufficient to pave all the road but the supervisors have agreed to surface with shale the portion which cannot be paved and construct all bridges over 20 feet in length.

SAN JOSE, Santa Clara Co., Cal.—The Supervisors have rejected bids received for the improvement of Fleming avenue in Supervisor District No. 3. The following bids were received:

W. I. McReynolds.....\$827  
John F. Adams.....900  
J. W. McClay.....995

Surveyor's estimate, \$460.

The County Surveyor was instructed to proceed with the work.

The Supervisors have also rejected all bids received for the re-surfacing of Story Road, Senter, Tully, King and Aborn roads and the County Surveyor instructed to proceed with the work.

SAN FRANCISCO—The following bids were received by the U. S. Department of Agriculture, Bureau of Public Roads, District No. 2, Mills Building, for the construction of a road in Fresno County, Sierra National Forest, below dam No. 3:

W. H. London—For units one to thirty-eight, \$58,345.70; for latter three units, \$46,505. Total amount bid for other items preceding proposal, \$11,041.20. Total amount of alternate proposal, \$57,546.

J. Soukas—For units one to thirty-eight, \$57,802.10; for latter three units, \$39,925.65. Total amount for other items preceding proposal, \$15,107.70. Total amount of alternate proposal, \$54,936.35.

W. J. Schmidt, Berkeley—For units one to thirty-eight, \$65,581.80; for latter three units, \$45,914.65. Total amount of bid for other items in preceding proposal, \$19,220.00. Total amount of alternate proposal, \$65,134.65.

Isbell Construction Co., Fresno—(No bid on units 1, 2 and 3). For units five to thirty-eight, \$10,077.50. Total amount for latter three items, \$32,775.50. Total amount bid for other items of preceding proposal, \$10,077.50. Total amount of alternate proposal, \$42,853.00.

CARSON CITY, Nevada—Niedt & Gavin, Reno, Nevada, submitted the only bid to the Nevada State Highway Commission for constructing a portion of the State Highway system in Washoe County, between Washoe Summit and Huffaker's, and were awarded the contract at \$33,110. The engineer's estimate was \$25,368.60.

The contract covers grading only with drainage structures.

C. C. Cottrell is State Highway Engineer.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk., up to September 15th, 11 a. m., for the building of Section No. 1 of Division No. 15 of the County Highway System, which is a portion of each of Roads No. 15 and 16 of the survey of the San Pablo Rancho, and is that part of Road No. 15 (now known as 13th street), beginning at the north incorporate line of the city of Richmond, and running north to Road No. 18, and all of Road No. 16 (now known as Market street), from the Southern Pacific right of way easterly to the State Highway at San Pablo, a total distance of 91.75 feet.

Bids will also be opened at the

same time for the building of Section No. 1 of Division No. 23 of the County Highway, which said section is known as Valley street in the town of Crockett, extending from the pavement on the State Highway on Ramona street easterly to Loring avenue, a distance of 1271 feet.

SEATTLE, Wash.—Assistant City Engineer Tiedeman has prepared a summary for improvements planned by the City of Seattle in the near future and during the year 1920. The following is a list of the biggest projects planned:

Sewers—Rainier Ave. trunk sewer and laterals, \$267,689 and \$177,800, making a total of \$445,489; Genesee trunk sewer system, including laterals, \$390,230; 63rd Ave. Southwest trunk sewer, Alki district, \$158,204; Michigan St. sewer and laterals, \$250,000 and \$25,000, making a total of \$475,000; East Marginal Way trunk sewer, including laterals in platted streets, \$130,000; Murray St. trunk sewer and laterals, \$137,315 and 376,475, making a total of \$513,790.

Water System Improvements—Replacing wooden water mains in Ballard with cast iron pipe, \$448,162; improvements to water plant, including new pipe lines from Cedar Lake, and completion of the Swan Lake Storage reservoir, \$60,000.

Improvements on Waterfront and Industrial District—Railroad Ave. seawall, \$500,000; Spokane St. fill and pavement, \$171,000; Fourth Ave. South fill and pavement, \$216,772; Harbor Ave. \$78,190; West Spokane St. bascule bridge and approaches, \$900,000; Elliott Ave. fill and pavement, \$564,078; Ninth Ave. South fill and pavement, \$440,000.

Other improvements proposed and said to be essential, include the following: Westlake Ave. pavement, \$80,000; Nickerson St. pavement, \$83,600; Dexter Ave. pavement, \$115,000; Tenth Ave. Northeast grading and pavement, \$211,000; Thorndyke St. pavement, \$140,000; West 65th St. pavement, \$94,176.25.

SAN RAFAEL, Marin Co., Cal.—City Council has approved plans for the Richmonding of Tamalpais Ave.

CHICO, Butte Co., Cal.—The City Trustees have awarded a contract to A. Teichert & Son, Ochsner Bldg., Sacramento, for paving street intersections and streets between Salem and Normal, on Second street fronting the Hotel Oaks and Fourth street from the Park Hotel to the Bidwell Park, the work on Fourth street to cost 22 8-10 cents per sq. ft. and on Second street (of a heavier material) 26 1/2 cents per sq. ft.

VALLEJO, Solano Co., Cal.—The proposition of securing a better water system for the Mare Island Navy Yard and the towns of Solano County, was discussed at a recent meeting of the Chamber of Commerce and officials from Mare Island including Commandant E. L. Beach and Leonard M. Cox.

It is planned to improve the water systems for several towns in this section under a bond issue.

Commander Leonard M. Cox presented the data for the navy yard, explained the proposed plan of piping water from the Sacramento river at a point north of Rio Vista, across the county and direct to Mare Island or to Creston where it could be tapped into the Vallejo water system. Cox estimated the cost of the project at \$2,200,000, which included the building of the filtration plant near Rio Vista and a 34 inch wood-stave pipeline.

While no definite action was taken it is expected that immediate steps will be taken to provide an adequate water system.

LOS ANGELES, Cal.—The \$700,000 bond issue to provide the Westgate annexation district with aqueduct water carried at the election on August 28. The amount of the bond issue will cover the district's share of the cost of a reservoir and constructing a pipe line from San Fernando valley through Stone canyon. The district embraces 12,000 acres, including the Wolfskill ranch, foothill property owned by Gillis & Fleming, Huntington Heights, overlooking the ocean north of Santa Monica canyon, and a long stretch fronting on the ocean including the Japanese village.

KLAMATH FALLS, Ore.—Bids received by the City Council for the improvements of several streets have been rejected. The following bids were received.

J. H. Garrett Co., \$72,252.11. Oil and macadam pavement.

Warren Construction Co., bitulithic pavement, \$80,446.33.

Both bids were above the estimate of the City Engineer.

BAKERSFIELD, Kern Co., Cal.—The Chamber of Commerce has started a campaign to secure the construction of a gravity water system for fire protection independent of the domestic water system. It is proposed to construct a number of reservoirs northeast of Bakersfield at an elevation of 700 feet, water to be lifted to the reservoirs from wells on the riverbank below by pumps and distributed by a 10-in. pipe line through east Bakersfield to the west district. Bonds will be issued to cover the cost.

OROVILLE, Butte Co., Cal.—The County Supervisors are considering a bond election to vote \$1,500,000 with which to finance the construction of a modern highway system. A committee of twenty-one, recently appointed, will meet with the Supervisors at the September session to discuss the proposed issue.

SPOKANE, Wash.—County Engineer Allen Scott states that Spokane County will have \$1,000,000 available for county highway construction in the year 1920.

SEATTLE, Wash.—The following are low bids received by the Board of Public Works for the construction of sewers in Fiftieth avenue:

For clay construction—S. A. Mocer, \$27,667, and \$27,667 for concrete construction.

**ANTIOCH, Contra Costa Co., Cal.**—The Trustees have awarded a contract to Carlo Grosso for installing 1,550 feet of water pipe, he agreeing to do the work for 35 cents a foot, tapping, \$1.50 each, and \$5.00 for connecting to fire hydrants.

**YUBA CITY, Sutter Co., Cal.**—September 20th is the date set by the Supervisors for opening bids for the purchase of \$80,000 in highway bonds of an \$810,000 issue recently voted for county highway improvements.

**FRESNO, Fresno Co., Cal.**—The City Council has overruled the protests against the improvement of Tulare avenue between First and Sixth streets and will order bids for the work in the near future.

**FRESNO, Fresno Co., Cal.**—The California Road & Improvement Co., Bank of Italy Bldg., Fresno, has been awarded the contract for the improvement of F street between Kern and Mono streets; Thompson Bros., 1514 H street, Fresno, were awarded the paving of Merced from G to Kearney Boulevard and for the sewer in blocks 5 and 6 Grand Ave. Park.

**RICHMOND, Contra Costa Co., Cal.**—Bids received from L. L. Page, Fred Myers, and R. H. Downer for the construction of sewers in East Richmond and Tewksbury Heights have been taken under advisement by the City Council.

For re-surfacing Barrett avenue the low bid was submitted by Galbraith & Jones, 431 10th St., Richmond, at \$.057 per sq. ft. Other bidders were: Chas. Johnson, \$.059 and L. L. Page, \$.0725.

Bids received from Galbraith & Jones, L. L. Page and F. A. Mero for the improvement of Lowell, 24th and 26th streets have been taken under advisement. A. C. Faris is City Clerk.

**YUBA CITY, Sutter Co., Cal.**—Ed. Von Geldern has been selected by the Supervisors as County Engineer, his salary to be \$3,000 a year. Von Geldern was formerly County Surveyor of Sutter.

**VISALIA, Tulare Co., Cal.**—The State Highway Commission will construct by force account 10.7 miles of concrete paving on the state highway in Kern county between the south boundary and Rose station (VI-Ker-4-A). Atkinson & Moncure of Sacramento, submitted the only bid for this work at \$327,520. The engineer's estimate was \$214,400. This road is in the Tejon pass. J. B. Woodson, division engineer at Fresno, will have charge of this work.

**OROVILLE, Butte Co., Cal.**—The City Trustees have taken preliminary steps providing for the opening of the proposed new streets through the property of the Western Realty Company, connecting Myers street and Park avenue with Bridge street. It is planned to start grading within the next few months.

**Orange County, between Galivan and Irvine (VII-Or-2-B), about 9.4 miles in length to be paved with Portland cement concrete.**

Awarded to Geo. R. Curtis, 2410 E. 26th St., Los Angeles at \$86,550.60. Engineer's Estimate, \$104,936.10.

**Lake County, between the westerly boundary and Lakeport (I-Lak-16-A), about 9.4 miles in length to be graded.**  
Awarded to Erickson & Peterson, Monadnock Bldg., San Francisco, at \$116,100.90.  
Engineer's Estimate, \$98,140.90.

**Santa Barbara County, between Divide and Orcutt (V-S.B.-2-A), about 3.6 miles in length to be paved with Portland cement concrete.**  
Awarded to F. C. McIntire, 406 N. Aurora St., Stockton, at \$38,116.  
Engineer's Estimate, \$42,594.60.

**Stanislaus County, between Oakdale and Easterly Boundary (III-Sta-13-B), about 12.8 miles in length to be paved with Portland cement concrete.**  
Awarded to Palmer & McBryde, Hooker-Lent Bldg., San Francisco, at \$157,942.50.  
Engineer's Estimate, \$182,619.50.

**Los Angeles County, between Lankershim Boulevard and South Sherman Way, (VII-L.A.-2-A), about 5.2 miles in length, to be paved with Portland cement concrete and asphaltic surfacing.**

Awarded to Bryant & Austin, Inc., 1656 Compton Ave., Los Angeles, at \$48,177.50.  
Engineer's Estimate, \$80,676.

**Humboldt County, between Beatrice and Eureka (I-Hum-1-G), about 7.1 miles in length to be paved with Portland cement concrete.**

The bid of Mercer-Frazer Co., Eureka, at \$150,476 was rejected. Work will probably be done by the State.

**SALINAS, Monterey Co., Cal.**—The County Supervisors have directed the Clerk to call bids up to September 19th for the construction of the proposed new road from Lonoak to King City, along the bank of the San Lorenzo creek, in San Benito County, and also for the improvement of the road from Jamesburg to Arroyo Seco, the Nashua-Cooper road, the Watsonville-Salinas road and Alta street, Gonzales. Plans were prepared by County Engineer Howard Cozzens.

**SAN FRANCISCO**—The Board of Public Works has asked the Supervisors to adopt an Ordinance authorizing the calling of bids for paving Market street from Collingswood to Ord streets, the estimated cost being \$32,600.

City Engineer M. M. O'Shaughnessy has recommended to the Board of Public Works the improvement of Market street from Mono to 24th by grading, construction of sewers and a retaining wall, the cost being approximately \$61,000; also the improvement of Rhode Island street from Seventeenth to Mariposa at \$7,570.

**REDWOOD CITY, San Mateo Co., Cal.**—The Supervisors have rejected the bid of C. B. Cowden, 2078 Green St., San Francisco, for the construction of a concrete retaining wall on the Redwood City to La Honda road. The bid was \$2,400. The estimate of County Engineer Kneass was \$1,800. The work was left in the hands of the Supervisor of the Third District and Engineer Kneass.  
(299579) E

**BAKERSFIELD, Kern Co., Cal.**—Federal Construction Co., Call Bldg., San Francisco, was awarded the contract for grading and paving Seventeenth street, between Q and Cedar streets, Q street from Truxtun Ave., to Nineteenth St., and Cedar St. between Seventeenth and Eighteenth Sts.; also K St. between Fourteenth and Eighteenth Sts., at 1c sq. ft. for grading, 19c sq. ft. for paving with 3-in. asphaltic concrete base, and 1½ in. bitulithic surface, 25c sq. ft. for concrete gutter, 17c sq. ft. for cement sidewalks, 40c lin. ft. for concrete curb, \$5 lin. ft. for 18-in. culvert, \$4 lin. ft. for 14-in. culvert, \$9 lin. ft. for double culvert.

**BAKERSFIELD, Kern Co., Cal.**—Supervisor J. B. McFarland of Kern County, plans to bring improvement at once of the road from Muroc to the Los Angeles county line following the Santa Fe Railway and the road from Mojave to Randsburg in the desert. The road to the Los Angeles county line via Mojave and Lancaster will be first improved on account of the closing of the Ridge route in the near future.

**SALINAS, Monterey Co., Cal.**—County Surveyor Howard F. Cozzens has been instructed by the Supervisors to prepare plans, specifications and estimates of costs for the improvement of two miles of the Natividad road, from the present terminus of the oiled section to the town of Natividad.

**MERCED, Merced Co., Cal.**—The City Council, J. D. Wood, City Clerk, has awarded a contract to A. Teichert & Son, Ochsenr Bldg., Sacramento, for the improvement of the alley in Block 105 by grading, \$.045 per sq. ft.; paving with 4-in. hydraulic cement concrete base, \$.142 per sq. ft., and the construction of concrete curbs, \$.10 per linear ft.

**PHOENIX, Ariz.**—Southwestern Construction Co., of Phoenix, has signed a contract at \$34,705.70 to construct Sec. 1 of the Tempe-Mesa highway through the town of Tempe. The state will furnish cement and reinforcing steel to cost \$7,058.54. The pavement will have a 5-inch concrete base and 1½-inch bitulithic surface. McElrath & Shumway of Mesa, have signed the contract at \$115,200.76 to build Sec. 2 of the same road out of Mesa. The state will furnish cement and other materials estimated to cost \$47,556.95. A 6-inch concrete pavement will be laid but will not be surfaced.

**MERCED**, Merced Co., Cal.—The City Council, J. D. Wood, City Clerk, has adopted plans and passed a resolution of intention providing for the improvement of the alley in Blocks 143 and 165 by grading, construction of concrete curbs and paving with a 4-inch hydraulic cement concrete base.

**WOODLAND**, Yolo Co., Cal.—At its meeting of September 15th the City Board of Trustees will consider the improvement of paving the alley between Main and Court streets. Better drainage for this street is also planned. Asa Proctor is City Engineer.

**SANTA CRUZ**, Santa Cruz Co., Cal.—The City Council has accepted the report of Commissioners R. H. Hamilton, B. L. Sharpe and Geo. Wilkes on the proposed Pacific avenue extension and the widening of River street, the work to cost about \$30,000.

**RICHMOND**, Contra Costa Co., Cal.—Charles H. Cheney, Architect and City Planner, is preparing sketches for a system of parks and playgrounds as planned by the City of Richmond.

**WOODLAND**, Yolo Co., Cal.—Bids will be received by the County Supervisors up to October 6th, 2 P. M., for the purchase of \$1,000,000 in county highway bonds.

**LODI**, San Joaquin Co., Cal.—The City Trustees have awarded a contract to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento, for the paving of East Oak and Walnut streets, its bid being the lowest received at \$5.33 per linear front foot. The nearest competitive bid was \$5.70 per front foot.

**SANTA ROSA**, Sonoma Co., Cal.—At the request of property owners the City Council has ordered the Commissioner of Streets to start with the improvement of Tenth street between Mendocino and B streets by paving that thoroughfare with concrete and asphalt, they agreeing to pay six cents per square foot for the work.

**WILLOWS**, Glenn Co., Cal.—The City Trustees have awarded the following contracts in connection with the sewer system (District No. 2) planned under the recently voted \$40,000 bond issue:

John Heafey, 22 Mesa St., Oakland, digging and laying the pipe, \$16,066.18  
The California Hydraulic Engineering & Supply Co., 70 Fremont St., San Francisco, installation of motor and pump, \$81;  
H. C. Muddox, pipe, \$9,621.55;  
D. O. Church, 798 10th St., San Francisco, cement, \$981.

Manholes and the cutting into the main sewer are not provided for in the above contracts. It is probable that bids for this work will be taken separately.

**REDWOOD CITY**, San Mateo Co., Cal.—The City Trustees have awarded a contract to G. Tocchetto, Redwood City, for the construction of a culvert on Webster street, opposite the City Hall, on his bid of \$1,120.

**STOCKTON**, San Joaquin Co., Cal.—County Surveyor Quail is completing plans for a stretch of improvement work on the Delta road running from the Independent School house on the Jacobs road to Lane road. A call for bids will be issued for the work on September 18th.

**SACRAMENTO**, Cal.—The County Supervisors have awarded a contract to Bartholomew & Keems for grading the County Hospital Grounds on their bid of 70 cents per cubic yard.

**SAN DIEGO**, Cal.—The City Council has adopted plans and specifications of City Engineer Rhodes for the improvement of Granada street from Upas street to University avenue comprising approximately 143,412 sq. ft. paving with 5-in. of 1-2-4 concrete with oil and rock screenings top 14,500 sq. ft. sidewalk; 2816 lin. ft. curb, and the usual service connections. It also provides for 75 trees to be planted in parking by contractor. Resolution of intention for work to be done under Vrooman act will probably be passed by the city council in the near future. (29947) E

**SOUTH SAN FRANCISCO**, San Mateo Co., Cal.—The City Trustees have decided to re-advertise for bids for the \$129,000 bond issue voted by the city for a new city hall, fire alarm system and improvements to the sewer system.

Only one bid was received for the bonds at the first sale, this offering a premium of \$593.

#### RAILROADS.

**LODI**, San Joaquin Co., Cal.—The City Trustees have passed an ordinance (No. 107) granting permission to the Setchel Fruit Co., of Lodi, to lay down and maintain railroad tracks in certain streets, to operate locomotives and cars for the transportation of their products.

H. S. Clark is City Clerk.

**PORTLAND**, Ore.—The Boschke, Miller, Grier Co., Northwestern Bank Bldg., Portland, has been awarded the contract for the construction of a standard gauge railroad for the Alsea River Lumber Company in Benton County.

The railroad will be seven miles long and will extend from Glenn Brook on the Southern Pacific railroad westerly.

Construction will be started immediately. Several pile trestles are required to complete the road.

**CLOVIS**, Fresno Co., Cal.—September 16th is the date set by the City trustees to hear the report of City Engineer Andrew Jensen regarding the improvement of certain streets in this city.

**RICHMOND**, Contra Costa Co., Cal.—The Board of Education has recommended to the City Council, A. C. Faris, City Clerk, that a tax assessment of five cents on each \$100 be levied upon property owners to cover the cost of school improvements as follows:

Filling and surfacing of the Peres school yard; the improvement of Fifth

street adjoining the Peres school to the sum of \$3000; the improving of Cypress avenue, in the rear of Stege school, to the sum of \$1000, and oiling and surfacing of the Grant school yard to the sum of \$1500. Action was laid over until the next meeting of the Council.

"To date, 1700 officers and ex-officers of the American army, the greater portion of them men who have seen service with the Expeditionary Forces in France and elsewhere, have registered with the War Department in Washington as applicants for position," it is announced by Colonel Arthur Woods, Assistant to the Secretary of War, who is at present conducting a nationwide drive for the re-employment of these men.

The salaries which are expected by these men vary between \$750 and \$6,000 per year. A number of the applicants desire to continue in the work in which they have had experience before the beginning of the war. Others, on the basis of their military training, desire to enter into new fields and are willing to accept correspondingly low salaries until they have proved their worth. The list includes business men, professional men of all sorts, technical men and members of a variety of other lines of activity.

The list includes men desiring managerial work, teaching, editorial work, engineering, export and import, research and organization, tutoring and teaching, bond salesmanship, mining, newspaper, magazine or publicity work, social service, tobacco business, architecture, law, rubber business, chemical or dyestuffs business, salesmanship, aeroplane work, wool business, steel, iron and coal operation, marine insurance, accountancy, work in Japan, shipping, automobile work, admiralty law, manufacturing, chemistry, etc.

Employers needing men who, by virtue of their experience in the army and because of the responsible positions they held during their service are fitted to be first-rate executives, men with a sense of order, with punctuality, reliability and executive powers, are urged to apply directly to the office of Colonel Arthur Woods, Washington, D. C., in order to be put directly in touch with these men.

**RIO VISTA**, Solano Co., Cal.—Plans are practically completed for the section of a power line by the Great Western Power Company to serve the town of Franklin, which lies about ten miles south of Sacramento. The main line tap and the distributing lines about the town will cover about twelve miles. The cost of construction will be about \$20,000.

A 22,000-volt line will be built from Hood through which the present main line passes, to the town, where a sub-station will be erected for the distribution of the current.

Architect W. H. Weeks, 75 Post St., is preparing preliminary plans for a group of high school buildings to be erected at Bishop, Inyo County, for the Bishop High School District. The plans will cost in the neighborhood of \$150,000.



# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Am't.
1848	Schultz	Schultz	18000
1849	Johnson	Brown	400
1850	United Eng	Doss	2500
1851	Johnson	Johnson	500
1852	Weaver	Dunn	450
1853	Wright	Rich	3900
1854	Leo	Leigh	5300
1855	Levy	Henderson	33091
1856	Same	Snook	1480
1857	Same	Decker	1072
1858	Wright	Rich	3900
1859	Welsh	Reedy	3900
1860	Smith	Smith	10000
1861	Roos	Emanuel	2000
1862	Chaefant	Hamerton	8500
1863	Dahler	Dahler	400
1864	Meyer	Meyer	9000
1865	Heyman	Heyman	4000
1866	Skully	Dawson	400
1867	Manning	Delbel	900
1868	Cimino	Cimino	400
1869	Lawrance	Rountree	800
1870	Kaufman	Hoegge	400
1871	Cassassa	Owner	400
1872	Hawthorne	Moran	600
1873	Riding Acadmy	Petersen	2800
1874	Plumel	Cerles	4500
1876	Bolton	Coburn	5000
1877	Cearar	Hansen	13000
1878	Atkins	Hansen	11800
1879	Same	Forbes	5400
1880	Hanify	Agmar	1345
1881	Hueter	Scott	5100
1882	Same	Grafer	4200
1883	Iberson	Amer. Conc	7050
1884	Robinson	Butler	6580
1885	Allen	Nelson	36000
1886	Same	Same	12000
1887	Same	Same	6000
1888	Nelson	Nelson	18000
1889	Duncan	Duncan	950
1890	Garret	Bond	1000
1891	Wilson	Novelty	2000
1892	Turner	Turner	400
1893	Cutler	Brady	400
1894	Thompson	Thompson	400
1895	Hartsook	Cal Art Mtl	480
1896	de Watson	Owner	900
1897	Garrisino	Schindler	400
1898	Rabjohn	Owner	1000
1899	Blakeman	Johnson	14800
1900	Natl. Bolt	Vogt	4847
1901	Wilson	Johnson	6407
1902	Anderson	Anderson	5500
1903	Same	Same	5500
1904	Schoenduby	Olsen	2750

#### FRAME DWELLINGS

(1848) E DORCHESTER 165, 195 & 225 S Claremont. Three two-story and basement frame dwellings.  
Owner—Mills Schultz, 46 Kearny St., San Francisco.  
Architect—C. S. McNally, 23 Woodland Ave., San Francisco.  
Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.  
COST, \$6000 each

#### ALTERATIONS

(1849) W TWENTIETH AVE 200 S Lincoln Way. Ratproofing, etc., for store.  
Owner—J. H. Johnson, 1222 20th Ave., San Francisco.  
Architect—T. E. Brown, 1882 19th Ave., San Francisco.  
Contractor—T. E. Brown, 1882 19th Ave., San Francisco.  
COST, \$1400

#### ALTERATIONS

(1850) NW FOLSOM AND STEWART Alter for offices.  
Owner—United Engineering Co., 224 Spear St., San Francisco.  
Architect—None.  
Contractor—C. A. Doss, 2058 E-15th St., Oakland.  
COST, \$2500

#### WORK SHOP

(1851) SE ANDOVER & EUGENIA. One-story frame work shop.  
Owner—J. Johnson, 196 Andover St., San Francisco.  
Architect—None.  
Day's work.  
COST, \$500

#### ALTERATIONS

(1852) NO. 3553 JACKSON. Alter dwelling.  
Owner—F. Weaver, 3580 Washington, San Francisco.  
Architect—None.  
Contractor—J. N. Dunn, 2630 Anza St., San Francisco.  
COST, \$450

#### FRAME DWELLING

(1853) E TWENTY-SIXTH AVE 195 S Anza. One-story and basement frame dwelling.  
Owner—J. W. Wright & Sons, Inc., Co., 228 Montgomery, S. F.  
Architect—None.  
Contractor—James Rich, 940 Railroad Ave., San Francisco.  
COST, \$3900

#### CLASS "C" AUTO SALES ROOMS

(1855) NE PACIFIC AND VAN NESS Aves. N 91-7xE 107-6. Excavation, concrete, carpenter, steel, roofing, and plastering for one-story and basement Class "C" auto sales room building.  
Owner—M. L. Levy, Mutual Bk. Bldg., San Francisco.  
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.  
Contractor—W. D. Henderson, 681 Market St., San Francisco.

Filed Sept. 2, '19. Dated Aug. 30, '19.  
1st floor poured.....\$272.90  
Roof boards in place.....\$272.90  
Completed.....\$272.90  
Usual 35 days.....\$272.90  
TOTAL COST, \$33,091.60

Pond, \$33,091. Surety, New Amsterdam Casualty Co. Limit, forfeit, none. Plans and specifications filed.

#### (1856) PLUMBING ON ABOVE.

Contractor—Frederick W. Snook Co., 596 Clay St., San Francisco.

Filed Sept. 2, '19. Dated Aug. 30, '19.  
Roughed in.....\$740  
Completed and accepted.....370  
Usual 35 days.....370  
TOTAL COST, \$1480

Bond, limit, forfeit, none. Plans and specifications filed.

#### (1857) ELECTRICAL WORK ON ABOVE.

Contractor—Decker Elec. Constr. Co., 149 New Montgomery St., S. F.  
Filed Sept. 2, '19. Dated Aug. 30, '19.  
On completion.....¾  
Usual 35 days.....¼  
TOTAL COST, \$1072.50

Bond, none. Limit, as required. Forfeit, none. Plans and specifications filed.

#### (Correction in Location)

FRAME DWELLING  
(1854) E FIFTEENTH AVE 49 N Cabrillo. All work for two-story frame dwelling.  
Owner—Mary C. Leo, 4035 23rd St., San Francisco.  
Architect—None.

Contractor—David Leigh, 840 44th Ave., San Francisco.

Filed Sept. 2, '19. Dated Aug. 27, '19.  
Frame erected.....\$1325  
Brown coat of mortar applied. 1325  
Completed.....1325  
Usual 35 days.....1325  
TOTAL COST, \$5300

Bond, limit, forfeit, none. Plans and specifications, none.

#### FRAME DWELLING

(1858) E TWENTY-SIXTH AVE 171-8 S Anza. One-story and basement frame dwelling.  
Owner—J. W. Wright & Sons, Invst. Co., 228 Montgomery, S. F.  
Architect—None.  
Contractor—James M. Rich, 940 Railroad Ave., San Francisco.  
COST, \$3900

#### FRAME DWELLING

(1859) E CHURCH 26-6 S Duncan. One and one-half-story and basement frame dwelling.  
Owner—W. J. Welsh, 3822 25th, S. F.  
Architect—None.  
Contractor—Wm. M. Reedy, 267 Ellsworth, San Francisco.  
COST, \$3900

#### FRAME DWELLING

(1860) NE CLAREMONT & GRAFTON. Two-story and basement frame dwelling.  
Owner—Mattie E. Smith, 2548 Folsom San Francisco.  
Architect—None.  
Day's work.  
COST, \$10,000

(1861) MARKET AND STOCKTON. Erect lath and plaster partition and raise floor.

Owner—Roos Bros., Premises.

Architect—None.

Contractor—L. & E. Emanuel, Inc., 1530 Filbert, San Francisco.  
COST, \$2000

## FRAME DWELLING

(1862) E SAN LEANDRO 370 S St. Francis. Two-story and basement frame dwelling.

Owner—Dr. J. Chaeftan, 763 Clayton, San Francisco.

Architect—None.

Contractor—Wm. C. Hamerton & Son, 1301 Waller, San Francisco.

COST, \$8500

## ALTERATIONS

(1863) NO. 184 MARTFORD. Minor alterations to flats.

Owner—H. G. Dahler, 4052 19th St., San Francisco.

Architect—None.

Day's work. COST, \$400

## FRAME DWELLINGS

(1864) E TWENTY-SECOND AVE. 75 and 100 S Anza. Two two-story and basement frame dwellings.

Owner—Theodore G. Meyers, 2628 Anza, San Francisco.

Architect—None.

Day's work. COST, \$4500 each

## FAME DWELLING

(1865) N GEARY 40 E 29th Ave. One-story and basement frame dwelling.

Owner—Oscar Heyman & Bro., 742 Market, San Francisco.

Architect—None.

Day's work. COST, \$4000

## ALTERATIONS

(1866) NO. 218 GRAFTON AVE. Alter dwelling.

Owner—Mrs. P. Skully.

Architect—None.

Contractor—J. Dawson, 2121 Durant Ave., Berkeley.

COST, \$400

## ALTERATIONS

(1867) NO. 1621 TURK. Alter flats for apartments.

Owner—Mr. Manning, Premises.

Architect—None.

Contractor—L. J. Deibel, 2453 Buchanan, San Francisco.

COST, \$900

## ADDITIONS

(1868) NO. 187 ELLSWORTH. Add windows and enlarge porch.

Owner—Natale Cimino, Premises.

Architect—None.

Day's work. COST, \$400

## GARAGE

(1869) N GREEN 120 E Baker. One-story frame private garage.

Owner—C. V. Lawrance, 2208 Green, San Francisco.

Architect—None.

Contractor—R. Rountree, 408 Hugo, San Francisco.

COST, \$800

## FRAME DWELLING

(1870) E RAILROAD AVE 55 N Wallace. One-story and basement frame dwelling.

Owner—Frank Kaufman, 1521 Van Dyke Ave., San Francisco.

Architect—None.

Contractor—J. M. Hoege, 62 Williams Ave., San Francisco.

COST, \$400

## REPAIRS

(1871) S O'FARRELL 137-6 W Pierce. Repair fire damage.

Owner—D. Cassassa, Santa Rosa, Cal.

Architect—J. C. Hladik, Monadnock Bldg., San Francisco.

Day's work. COST, \$400

## ALTERATIONS

(1872) NO. 302 CLEMENT. Alter apartment entrance.

Owner—J. D. Hawthorne, Premises.

Architect—None.

Contractor—H. Moran, 778 10th Ave., San Francisco.

COST, \$600

## ROOF

(1873) NO. 634 STANYAN. Construct roof over academy.

Owner—S. F. Riding Academy, Prem Architect—Phillip L. Bush, 101 California, San Francisco.

Contractor—J. Pattinson, 925 The Alameda, Berkeley.

COST, \$1688

## FRAME DWELLING

(1874) N PALOU 75 W Keith. One-story and basement frame dwlg.

Owner—Peter Plumel, 1234 19th Ave., San Francisco.

Architect—None.

Contractor—Antone Petersen, 2722 San Bruno Ave., San Francisco.

COST, \$2800

## FRAME DWELLING

(1875) N OAKDALE 25 E Newhall. Two-story and basement frame dwelling.

Owner—L. Cerles, Oakdale, S. F.

Architect—None.

Contractor—Antone Petersen, 2722 San Bruno Ave., San Francisco.

COST, \$4500

## REPAIRS

(1876) NO. 789 MISSION. Repair fire damage to store.

Owner—A. E. Bolton, 707 Crocker Bldg., San Francisco.

Architect—None.

Contractor—Ira W. Coburn, 180 Jessie, San Francisco.

COST, \$5000

## SHOP

(1877) SE FIFTH AND HARRISON. One-story brick shop.

Owner—George Ceasar, Ross Earley Apartments, San Francisco.

Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.

Contractor—F. L. Hansen, 2000 Polk St., San Francisco.

COST, \$13,000

## FRAME DWELLING

(1878) N JACKSON 117-7 W Maple. Carpenter work for two-story and basement frame dwelling.

Owner—R. Atkins, 120 Sutter St., San Francisco.

Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.

Contractor—F. L. Hansen, 2000 Polk St., San Francisco.

Frame up .....\$3500  
Enclosed, ready for plaster..... 3350  
Completed and accepted..... 2000  
Usual 35 days..... 2550

TOTAL COST, \$11,800

(1879) GRADING AND CONCRETE work on above.

Contractor—R. J. H. Forbes, Monadnock Bldg., San Francisco.

On 1st and 15th of each month 75%  
Usual 35 days..... 25%

TOTAL COST, \$5400

## FRAME RESIDENCE

(1880) N GREEN 163-1 $\frac{1}{2}$  W Divisadero W 34-4 $\frac{1}{2}$ N 137-6 W A 492.

Painting, canvas work, blankstocking and tinting for two-story and basement frame residence.

Owner—Al. Hanify, 24 Market St., San Francisco.

Architect—Ward & Blohme, Alaska Commercial Bldg., San Francisco

Contractor—Paul Aguilar, 433 California, San Francisco.

Filed Sept. 4, '19. Dated Aug. 28, '19.  
On 1st of each month..... 75%  
36 days after, 25%..... \$356

TOTAL COST, \$1345

Bond, \$672. Surety, National Surety Co. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

## RESIDENCE

(1881) N VALLEJO 110 W Baker N 137-6xW 70. Plumbing, steam heating and fuel oil burning plant for two-story residence.

Owner—Oscar M. Hueter, 544 Market St., San Francisco.

Architect—John H. Powers, 460 Montgomery St., San Francisco.

Contractor—Scott Co., Inc.

Filed Sept. 4, '19. Dated Aug. 1, '19.  
At end of each month..... 75%  
Usual 35 days..... 25%

TOTAL COST, \$5100

Bond, none. Limit, 150 days. Forfeit, none. Plans and specifications filed.

(1882) INTERIOR AND EXTERIOR painting on above.

Contractor—Harry G. Graper.

Filed Sept. 4, '19. Dated Aug. 22, '19.  
Payments same as above.....

TOTAL COST, \$4200

Bond, none. Limit, 150 days after Aug. 25, 1919. Forfeit, none. Plans and specifications filed.

## MACHINE SHOP

(1883) W JONES 100 S Ellis S 37-6x W 87-6. All work for one-story reinforced concrete machine shop.

Owner—Robt. Ibersen.

Architect—T. Paterson Ross, 310 California, San Francisco.

Contractor—American Concrete Co., Humboldt Bank Bldg., S. F.

Filed Sept. 4, '19. Dated Aug. 14, '19.  
Concrete walls finished.....\$1765  
Plastering completed..... 1760

Completed and accepted..... 1760  
Usual 35 days..... 1765

TOTAL COST, \$7050

Bond, \$3525. Sureties, Jesse W. Anderson and J. P. Couphal. Limit, 45 days. Forfeit, \$10. Plans and specifications filed.

## WAREHOUSE

(1884) NE EIGHTH 245 SE Folsom SE 30xNE 120. All work except plumbing for one-story brick warehouse.

Owner—V. H. Robinson, 351 8th St., San Francisco.

Architect—Jas. H. Humphreys, Wells Fargo Bldg., San Francisco.

Contractor—Butler & Reilly, 180 Jessie, San Francisco.

Filed Sept. 4, '19. Dated Aug. 30, '19.  
Brick work completed.....\$3000  
Completed and accepted..... 1935

Usual 35 days..... 1645  
TOTAL COST, \$6580

Bond, \$3290. Sureties, D. J. Sullivan

and P. P. Quinn. Limit, 30 days. Forfeit, none. Plans and specifications filed.

## FRAME DWELLINGS

(1885) W TWENTY-NINTH AVE 120, 145, 160, 185, 210 and 235 N California. Six 2-story and basement frame dwellings.

Owner—Allen & Co., 125 Sutter St., San Francisco.

Architect—E. B. Bertz, Foxcroft Bldg., San Francisco.

Contractor—Emil Nelson, 39 Delmar St., San Francisco.

\$6000 each

## FRAME DWELLINGS

(1886) E TWENTY-NINTH AVE 120 and 145 N California. Two 2-story and basement frame dwlg.

Owner—Allen & Co., 125 Sutter St., San Francisco.

Architect—E. B. Bertz, Foxcroft Bldg., San Francisco.

Contractor—Emil Nelson, 39 Delmar St., San Francisco.

COST, \$6000 each

## FRAME DWELLINGS

(1887) E TWENTY-EIGHTH AVE 90 S Lake. Two-story and basement frame dwelling.

Owner—Allen & Co., 125 Sutter St., San Francisco.

Architect—E. B. Bertz, Foxcroft Bldg., San Francisco.

Contractor—Emil Nelson, 39 Delmar St., San Francisco.

COST, \$6000

## FRAME DWELLINGS

(1888) E FIFTEENTH AVE 110, 135 and 160 N Anza. Three 2-story and basement frame dwellings.

Owner—Emil Nelson, 39 Delmar St., San Francisco.

Architect—E. B. Bertz, Foxcroft Bldg., San Francisco.

Day's work.

COST, \$6000 each

## FRAME DWELLING

(1889) W EIGHTEENTH AVE 100 S Noriega. One-story and basement frame dwelling.

Owner—Geo. B. Duncan, Jr., 1230 Haight, San Francisco.

Architect—None.

Day's work.

COST, \$950

## ALTERATIONS

(1890) NOS. 810-816 TURK. General alterations.

Owner—Mrs. Garret, 1336 Regent St., Alameda.

Architect—None.

Contractor—Robt. Bond, 680 Eddy St., San Francisco.

COST, \$1000

## ELECTRIC SIGN

(1891) NO. 40 FIFTH. Electric sign.

Owner—Wal. Wilson, Premises.

Architect—None.

Contractor—Novelty Elec. Sign Co., 165 Eddy, San Francisco.

COST, \$2000

## ALTERATIONS

(1892) NO. 2576 GREEN. Alter for private garage.

Owner—Frank J. Turner, Premises.

Architect—None.

Day's work.

COST, \$400

## ALTERATIONS

(1893) NO. 144 TWENTY-FIFTH AV

Enclose porch for bed room.

Owner—Leland W. Cutler, Premises.

Architect—None.

Contractor—A. P. Brady, 191 Frederick St., San Francisco.

COST, \$400

## FRAME DWELLING

(1894) E MOULTRIE 75 N Ogden.

One-story and basement frame dwlg

Owner—Chas. Thompson, 635 Moultrie St., San Francisco.

Day's work.

COST, \$480

## SHOW CASE

(1895) NO. 833 MARKET. Construct show case.

Owner—Fred Hartsook, 41 Grant Ave San Francisco.

Architect—A. Lansburgh, 709 Mission St., San Francisco.

Contractor—California Artistic Metal Works, 347 7th, San Francisco.

COST, \$400

## ALTERATIONS

(1896) NE LAKE AND SECOND AVE. Interior alterations for apartments.

Owner—Mrs. A. O. de Watson, 121 2d Ave., San Francisco.

Architect—Martin A. Sheldon, 110 Sutter, San Francisco.

Day's work.

COST, \$900

## ALTERATIONS

(1897) NO. 400 BAY. Erect range and extend chimney.

Owner—J. Garrissino, Premises.

Architect—None.

Contractor—S. J. Schindler, 468 Valencia, San Francisco.

COST, \$400

## ALTERATIONS

(1898) NO. 240 POST. Store fixtures and add balcony.

Owner—Rabjohn & Morcom, Premises

Architect—None.

Day's work.

COST, \$1000

## ALTERATIONS

(1899) SW SANSOME AND JACKSON Brick, carpenter, concrete, plumbing, glazing, roofing, etc., for alterations to building for factory.

Owner—T. Z. Blakeman, Phelan Bldg., San Francisco.

Architect—Bliss & Faville, Balboa Bldg., San Francisco.

Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.

Filed Sept. 5, '19. Dated Aug. 27, '19.

Monthly payments of ..... 75%

Usual 35 days ..... 25%

TOTAL COST, \$14,800

Bond, \$7400. Sureties, F. H. Martell and H. E. Drake. Limit, Dec. 1, 1919.

Forfeit, \$10. Plans and specifications filed.

## STORAGE SHED

(1900) SE WELSH 227-6 SW Zoe SW 62-6xSE 160. All work except plumbing and wiring for one-story frame storage shed.

Owner—The National Bolt Works, 924 Bryant St., San Francisco.

Architect—Nathaniel Blaisdell, 255 California St., San Francisco.

Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.

Filed Sept. 5, '19. Dated Aug. 29, '19.

Roof boards on ..... \$1817

Completed and accepted ..... 1818

Usual 35 days ..... 1212

TOTAL COST, \$4847

Bond, \$2424. Sureties, Jno. D. Davidson and W. J. Feary. Limit, 25 days. Forfeit, \$10. Plans and specifications filed.

## STORE

(1901) SE EDDY AND MASON; No. 54 Mason and 57 and 99 Eddy St.

All work except painting, plaster and electric work for store in bldg.

Owner—A. W. Wilson.

Architect—C. A. Meussdorffer, Humboldt Bank Bldg., S. F.

Contractor—Joel Johnson, 110 Jessie, San Francisco.

Filed Sept. 5, '19. Dated Sept. 5, '19.

On 3rd of each month ..... 75%

Usual 35 days ..... 25%

TOTAL COST, \$6497

Bond, none. Limit, 60 days after Sept. 6, 1919. Forfeit, none. Plans and specifications filed.

## BUNGALOW

(1902) COMG. INTERSECTION N line Lot 7 and W Eastwood Drive S 40 N 85 deg 16 min 33 sec W 102.752 N

243 W 39 S 86 deg 03 min 01 sec E 109.147 Ptn Lots 7 and 8 Blk 3164.

Westwood Park. All work for one-story frame bungalow and garage.

Owner—Hilding Anderson, 1858 Fell St., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contractor—Anderson & Johnson, 47-A Landers St., San Francisco.

Filed Sept. 5, '19. Dated Aug. 29, '19.

Frame up, enclosed & roof on ..... \$1375

Brown coated ..... 1375

Completed and accepted ..... 1375

Usual 35 days ..... 1375

TOTAL COST, \$5500

Bond, \$2750. Sureties, Albin Warden and Thos. Leonard. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

## BUNGALOW

(1903) COMG. INT. W line Eastwood Drive and N line Lot 6 Blk 3164,

Westwood Park S 40 N 86 deg 03 min W 109.147 N 38.748 S 86 deg 27 min 59 sec E 114.681 Lot 6 and Ptn.

Lot 7 Blk 3164, Westwood Park. All work for one-story frame bungalow and garage.

Owner—Hilding Anderson, 1858 Fell St., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contractor—Anderson & Johnson, 47-A Landers St., San Francisco.

Filed Sept. 5, '19. Dated Aug. 2, '19.

Frame up and roof on ..... \$1375

Brown coated ..... 1375

Completed and accepted ..... 1375

Usual 35 days ..... 1375

TOTAL COST, \$5500

Bond, \$2750. Sureties, Albin Warden and Thos. Leonard. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

## RESIDENCE

(1904) LOT 26 BLK 19 Additions to Castro St. Addn. and Glen Park Terrace. Interior and exterior construction for residence already enclosed.

Owner—Amanda and Clement Schoen-duby, 2371 Diamond St., S. F.

Architect—None.

Contractor—Olaf Olsen, 1214 Stanyan

San Francisco.  
Filed Sept. 6, '19. Dated Sept. 3, '19.  
Rough plumbing in electric  
wiring done and front steps  
done .....\$650  
Lathing and plaster done..... 650  
Completed and accepted..... 700  
Usual 35 days..... 750  
TOTAL COST, \$2750  
Bond, \$1375. Sureties, C. E. Hubacher  
and C. L. Meyer. Limit, 60 days. For-  
feit, none. Specifications only filed.

### COMPLETION NOTICES.

#### San Francisco County

Recorded Accepted  
Sept. 3, 1919—NW TWENTY-SIXTH  
Ave and Anza N 25xW 82-6  
James Welsh to James Welsh &  
Co. ....Aug. 2, 1919  
Sept. 4, 1919—W TWENTY-SIXTH  
Ave 25 N Anza N 25xW 82-6.  
James Welsh to James Welsh &  
Co. ....Aug. 2, 1919  
Sept. 4, 1919—N ANZA 110 W 26th  
Ave W 27-6xN 120. Jas Welsh to  
Jas Welsh & Co. ....Aug. 2, 1919  
Sept. 4, 1919—N ANZA 82-6 W 26th  
Ave W 27-6xN 100. Jas Welsh to  
Jas Welsh & Co. ....Aug. 2, 1919  
Sept. 4, 1919—NW 26TH AVE AND  
Anza N 25xW 82-6 W 26th Ave  
25' N Anza N 25xW 82-6 N Anza  
110 W 16th Ave W 27-6xN 120  
N Anza 82-6 W 26th Ave W 27-6  
x N 100 James Welsh to James  
Welsh & Co. ....Aug. 2, 1919  
Sept. 4, 1919—E 30TH AVE 100 S  
Tareval S 50xE 120 Thos. H  
Clancy, Jr. and Ellen Clancy to  
Nelson Bros. ....Aug. 22, 1919  
Sept. 4, 1919—W PLYMOUTH 325  
N Grafton The McCarthy Co. to  
James Arnott & Son ....Sept. 4, 1919  
Sept. 4, 1919—W PLYMOUTH AVE  
150 N Grafton Ave The McCarthy  
Co. to Jas. Arnott & Son  
.....Sept. 4, 1919  
Aug. 29, 1919—E VAN NESS AVE  
142-2 1/2 N California N 63xE 137-6  
Louis R Lurie to Barrett & Hilp  
.....Aug. 25, 1919  
Sept. 3, 1919—NW MISSION AND  
Embarcadero. Jno T Harmes for  
Nellie M and Agnes Lowry and  
Isabell L Soule to Bernard Becaas  
.....Sept. 3, 1919  
Sept. 3, 1919—S BUSH 112-6 E Hyde  
D J Clancy to whom it may con-  
cern .....Sept. 1, 1919  
Sept. 2, 1919—NW LISBON 225 SW  
Russia Ave SW 25xNW 100 Lot 7  
Blk 21, Excel Hd. Maria Braun to  
whom it may concern. Aug. 29, 1919  
Aug. 30, 1919—SW SCOTT and Fell  
NE 3rd and Brannan and N  
Gore at Mission and Otis. Asso-  
ciated Oil Co. to Barrett & Hilp.  
.....Aug. 27, 1919  
Bowers .....4  
Aug. 30, 1919—W 23RD AVE 100 N  
Anza N 25xW 100. A. V. Ander-  
son to whom it may concern.  
.....Aug. 30, 1919

Architect C. C. Dakin, 68 Post St.,  
has completed plans (bids will be  
taken by the owner, John Rutherford,  
Redwood City) for the erection of  
two one-story frame bungalows to be  
erected in Burlingame at a cost of  
\$12,000 each.

### BUILDING CONTRACTS.

#### Alameda County.

No.	Owner	Contractor	Amt.
1914	Dukette	Riddell	4900
1915	Roos	Jackson	1400
1916	Pendergast	Owner	500
1917	La Franchi	Rose	500
1918	Durant	Walker	800
1919	Pordon	Pordon	2750
1920	Vail	Vail	9500
1921	Johansen	Johansen	2000
1922	Sims	Sims	2000
1923	Geadstone	Skaggs	2000
1924	Valpreda	Valpreda	2500
1925	Gelder	Gelder	2500
1926	Sebbins	Hancock	3800
1927	McNear	Western Rig	400
1928	City of Okd	Faulkes	3600
1929	Same	Same	1200
1930	Ronay	Ronay	400
1931	Aubry	Aubry	400
1932	Athenian	Athenian	800
1933	Guist	Guist	400
1934	Bayatzsky	Davis	500
1935	Moeer	Roth	1725
1936	Bischoff	Owner	2500
1937	Lock	Burks	4000
1938	Littleford	Owner	3500
1939	Worsard	Stewart	4000
1940	Kitterman	Ward	4500
1941	Jacobs	Swenson	479
1942	Sellers	Stan	2700
1941	Hardy	Hardy	400
1942	Armstrong	Bertelsen	1750
1943	Woodburn	Owner	3000
1944	Same	Same	3000
1945	Larsen	Larsen	6000
1946	Corder	Austin	1000
1947	Vaughn	Owner	3580
1948	Pardee	Sharder	3000
1949	McCarthy	Owner	500
1950	Vaughn	Owner	11940
1951	Co-Op. Meat Co	Owner	500
1952	Bear	Bear	400
1953	Wood	Riddell	—

#### FRAME DWELLING

(1919) PACIFIC AND DHAGAR  
Aves., Piedmont. Two-story frame  
dwelling.

Owner—L. R. Dukette.  
Architect—None.  
Contractor—Riddell Bldg Service Co.,  
2247 Telegraph Ave., Berkeley.  
COST, \$4900

#### ALTERATIONS

(1915) SW THIRTEENTH AND  
Washington, Oakland. Alterations.  
Owner—Roos Bros., Premises.  
Architect—None.  
Contractor—Jackson-Koski Co., 35  
Ramona Ave., Oakland.  
COST, \$1400

#### ALTERATIONS

(1916) NO. 1029 TWENTY-SECOND,  
Oakland. Alterations.  
Owner—N. Pendergast, Premises.  
Architect—None.  
Day's work. COST, \$500

#### ALTERATIONS

(1917) NO. 1619 BROADWAY, Oak-  
land. Alterations.  
Owner—Otto La Franchi Co., Prem.  
Architect—None.  
Contractor—A. H. Rose & Co., 525  
17th, Oakland.  
COST, \$500

#### HANGAR

(1918) W EIGHTY-SECOND AVE 300  
S E-14th, Oakland. Aeroplane  
hangar.

Owner—W. C. Duraut.

Architect—None.

Contractor—P. J. Walker Co., Mo-  
nadnock Bldg., San Francisco.  
COST, \$30

#### DWELLING

(1919) S ASHBY AVE 200 E Califor-  
nia, Berkeley. One-story 5-room  
dwelling.  
Owner—E. Pordon, 1617 Julia, Bkly.  
Architect—Noble Newsom, Thousand  
Oaks, Berkeley.  
Day's work. COST, \$275

#### APARTMENTS

(1920) N WALKER AVE 280 E Lak-  
Park Ave., Oakland. Two-story 1-  
room apartments.  
Owner—Henry R. Vail, Syndicate  
Bldg., Oakland.  
Architect—Chester H. Miller, New  
Call Bldg., San Francisco.  
Day's work. COST, \$9500

#### DWELLING

(1921) E BROWN AVE 150 N Wis-  
consin, Oakland. One-story 5-room  
dwelling.  
Owner—O. Johansen.  
Architect—None.  
Day's work. COST, \$2000

#### DWELLING

(1922) N BROOKDALE AVE 440 E  
Peralta Ave., Oakland. One-story  
five-room dwelling.  
Owner—Wm. H. Sims, 1926 64th Ave.  
Oakland.  
Architect—None.  
Day's work. COST, \$2000

#### DWELLING

(1923) N FORTY-SIXTH 400 E  
Grove, Oakland. One-story 4-room  
dwelling.  
Owner—Mrs. Ella B. Geadstone, 563  
46th, Oakland.  
Architect—None.  
Contractor—J. H. Skaggs, 536 44th  
Oakland.  
COST, \$2000

#### DWELLING

(1924) SE FORTY-THIRD AND  
Market, Oakland. One-story 5-room  
dwelling.  
Owner—L. Valpreda, 4329 Grove St.,  
Oakland.  
Architect—None.  
Day's work. COST, \$2950

#### DWELLING

(1925) E MANILA AVE 65 N Clifton  
Oakland. One-story 6-room dwlg.  
Owner—Gertrude Gelder, 1127 53rd,  
Oakland.  
Architect—None.  
Contractor—John Gelder, 4525 West,  
Oakland.  
COST, \$2500

#### STORE AND DWELLING

(1926) SE B-TWELFTH AND 33rd  
Ave., Oakland. Two-story store  
and dwelling.  
Owner—Jesse Sebbins, Albany.  
Architect—None.  
Contractor—Hancock & Lydikesen,  
1244 29th Ave., Oakland.  
COST, \$3800

#### REPAIRS

(1927) NE SEVENTEENTH AND  
San Pablo Ave., Oakland. Roof re-  
pairs.  
Owner—M. McNear, Oakland.  
Architect—None.

Contractor—Western Roofing Co., 438  
15th, Oakland. COST, \$400

FRAME SCHOOL  
(1928) SE EIGHTY-FIFTH AVE &  
A St., Oakland. Three one-story 1-  
room frame schools.  
Owner—City of Oakland.  
Architect—None.  
Contractor—John R. Faulkes, 9828 E-  
14th St., Oakland. COST, \$1200 each

SCHOOL  
(1929) NE NINETY-EIGHTH AVE &  
Plymouth, Oakland. One-story 1-  
room school.  
Owner—City of Oakland.  
Architect—None.  
Contractor—John R. Faulkes, 9828 E-  
14th St., Oakland. COST, \$1200

GARAGE  
(1930) NO. 1305-15 ADELIN, Oak-  
land. Garage.  
Owner—Mrs. F. G. Ronay, Premises.  
Architect—None.  
Day's work. COST, \$400

ADDITION  
(1931) NO. 643 FIFTY-EIGHTH ST.,  
Oakland. Addition.  
Owner—G. Aubry, Premises.  
Architect—None.  
Day's work. COST, \$400

ALTERATIONS  
(1932) W FRANKLIN 76 N 14th St.,  
Oakland. Alterations.  
Owner—Athenian Club, Premises.  
Architect—None.  
Day's work. COST, \$800

ADDITION  
(1933) NO. 3014 HOPKINS, Oakland.  
Addition.  
Owner—Belle Guist, Premises.  
Architect—None.  
Day's work. COST, \$400

ALTERATIONS  
(1934) NO. 531 TWELFTH, Oakland.  
Alterations.  
Owner—Bayarsky & Garfinkle, Prem.  
Architect—None.  
Contractor—A. L. Davis, 2626 Union,  
Oakland. COST, \$500

ADDITION  
(1935) NO. 2040 SANTA CLARA AV  
Alameda. All work for one-story  
addition to dwelling.  
Owner—Jetta F. Moser, Premises.  
Architect—None.  
Contractor—Conrad Roth, 2117 Pacific  
Ave., Alameda.

Filed Sept. 3, '19. Dated Aug. 21, '19.  
Frame up..... 14  
Interior work completed..... 14  
Completed and accepted..... 14  
Usual 35 days..... 14  
TOTAL COST, \$1725  
Bond, none. Limit, 40 days after  
Aug. 21. Forfeit, none. Plans and  
specifications filed.

DWELLING  
(1936) W CHERRY 82 N Russell,  
Berkeley. One-story 6-room dwlg.  
Owner—John A. Bischoff, 5768 Shafer  
Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2500

DWELLINGS  
(1937) S FIFTY-FOURTH 140 and  
170 W Gaskill, Oakland. Two one-  
story 5-room dwellings.  
Owner—Dr. Lock.  
Architect—None.  
Contractor—C. E. Burks, 4152 Ran-  
dolph Ave., Oakland. COST, \$2000 each

DWELLING  
(1938) NO. 2120 ALAMEDA AVE.,  
Alameda. One and one-half-story  
8-room dwelling.  
Owner—J. W. Littleford, 100 Fern-  
side Blvd., Alameda.  
Architect—None.  
Day's work. COST, \$3500

DWELLING, ETC.  
(1939) NO. 1701 CENTRAL AVE.,  
Alameda. One-story 8-room dwel-  
ling and garage.  
Owner—L. N. Worsard, Premises.  
Architect—None.  
Contractor—G. W. Stewart, 3010 Cen-  
tral Ave., Alameda. COST, \$4400

APARTMENTS  
(1940) CEDAR 75 from Clinton,  
Alameda. Two-story 10-room apart-  
ments.  
Owner—James Kitterman, 835 Cedar,  
Alameda.  
Architect—C. O. Clausen, Hearst Bldg.  
San Francisco.  
Contractor—P. R. Ward, 180 Jessie,  
San Francisco. COST, \$4500

ADDITION  
(1941) NO. 2125 SAN JOSE AVE.,  
Alameda. Addition.  
Owner—Sara Jacobs, 3010 E-14th,  
Oakland.  
Architect—None.  
Contractor—L. Swenson, 2242 Encinal  
Ave., Alameda. COST, \$479

DWELLING  
(1940) NO. 3025 BATEMAN, Berke-  
ley. One-story 4-room dwelling.  
Owner—S. A. Sellers, 3023 Benvenue  
Ave., Berkeley.  
Architect—None.  
Contractor—C. M. Stan, 2019 Dela-  
ware St., Berkeley. COST, \$2700

GARAGE  
(1941) NO. 2401 WARD, Berkeley.  
Garage.  
Owner—Lucy McCoy Hardy, 1711  
Parker St., Berkeley.  
Architect—None.  
Day's work. COST, \$400

ADDITION  
(1942) NO. 166 HILLCREST ROAD,  
Berkeley. Add to dwelling.  
Owner—Mrs. Aileen B. Armstrong,  
Premises.  
Architect—None.  
Contractor—S. J. Bertelsen, 565 16th,  
Oakland. COST, \$1750

DWELLING  
(1943) S HAMPEL 65 E 14th Ave.,  
Oakland. One-story 6-room dwlg.  
Owner—Paul E. Woodburn, 3965  
Greenwood Ave., Oakland.  
Architect—None.  
Day's work. COST, \$3000

DWELLING  
(1944) SE HAMPEL AND 14th Ave.,  
Oakland. One-story 6-room dwlg.  
Owner—Paul E. Woodburn, 3965  
Greenwood Ave., Oakland.  
Architect—None.  
Day's work. COST, \$3000

DWELLINGS  
(1945) W TWENTY-NINTH AVE 295  
and 328 S E-16th, Oakland. Two one-  
story 5-room dwellings.  
Owner—R. K. Larsen, 1550 28th  
Ave., Oakland.  
Architect—None.  
Day's work. COST, \$3000 each

GARAGE  
(1946) NO. 1203 OAK, Oakland. One-  
story concrete garage.  
Owner—T. W. Corder, Premises.  
Architect—None.  
Contractor—Fred H. Austin, 565 16th,  
Oakland. COST, \$1000

DWELLING  
(1947) E EMERSON 120 N E-37th,  
Oakland. One-story 6-room dwlg.  
Owner—M. C. Vaughn, 5883 Ayala,  
Oakland.  
Architect—None.  
Day's work. COST, \$3980

ALTERATIONS  
(1948) NO. 1441 BROADWAY, Oak-  
land. Alter rooming house to com-  
ply with State law.  
Owner—Dr. Geo. C. Pardee, Oakland.  
Architect—None.  
Contractor—J. F. Shrader, 520 16th,  
Oakland. COST, \$3000

DWELLING  
(1949) E MOUNTAIN BLVD. opp.  
Chabot Observatory, Oakland. One-  
story 3-room dwelling.  
Owner—G. McCarthy, R. F. D. 227,  
Oakland.  
Architect—None.  
Day's work. COST, \$500

DWELLINGS  
(1950) N E THIRTY-SEVENTH 50,  
90 and 120 E Emerson, Oakland.  
Three one-story 6-room dwellings.  
Owner—M. C. Vaughn, 5883 Ayala  
Oakland.  
Architect—None.  
Day's work. COST, \$3980 each

ALTERATIONS  
(1951) SE TWELFTH AND HARRI-  
son, Oakland. Alterations.  
Owner—Co-Operative Meat Co., Prem.  
Architect—None.  
Day's work. COST, \$500

DWELLING  
(1952) LEONA HEIGHTH W of ob-  
servatory, Oakland. One-story 2-  
room dwelling.  
Owner—F. F. Bear, 3628 Loma Vista  
Ave., Oakland.  
Architect—None.  
Day's work. COST, \$400

DWELLING  
(1953) W McADAM opp. Golden Gate  
being Ptn Lot 25 Claremont Manor  
Tract, Oakland. All work for two-  
story 11-room dwelling.  
Owner—Ellen C. Wood, 6602 Chabot  
Road, Oakland.  
Architect—None.

Contractor—Riddell Building Service Corp., 2247 Telegraph Ave., Bkly.  
 Filed Sept. 5, '19. Dated Sept. 2, '19.  
 Frame up .....\$4000  
 Brown coated ..... 4000  
 Completed and accepted..... 4000  
 Usual 35 days.....Balance  
**TOTAL COST plus 10%**  
 Bond, limit, forfeit, none. Plans and specifications filed.

### COMPLETION NOTICES.

#### Alameda County.

Sept. 5, 1919—LOT 139 Map Higgins Tract, Bkly. Jas. W. Brazier to whom it may concern. Sept. 4, 1919  
 Sept. 6, 1919—LOT 40 Roseland Park Okd. Willard W and Elizabeth D Shea to H C Pfrang. Sept. 3, 1919  
 Aug. 28, 1919—LOT 23, BLK 4, 1717-1742, San Pablo Park Addition, Berkeley. Greater City Lumber Co. to C. D. Vezey. Aug. 23, 1919  
 Aug. 28, 1919—E DERBY AVE. 98.30 SW E-14th St., SW 38 SE 99.43, NE 38.13, NW 98.22, Oakland. Charles and Mattie Gordon to S. A. Warner. Aug. 23, 1919  
 Aug. 28, 1919—LOTS 39 AND PTN lots 40, 41, 42 and 43, Blk. A, Map Broadway Terrace, Oakland. Chas. W. Gompertz to whom it may concern. Aug. 28, 1919  
 Aug. 28, 1919—PTN BLOCK 16, Berkeley Villa Association, Berkeley. Kate R. Gompertz and Blanch E. Sawyer to Chas. W. Gompertz. Aug. 23, 1919  
 Sept. 9, 1919—LOT 13 AND W 1/2 lot 14 block 16 map Lakeshore Highlands, Oakland. John Bake-well, Jr. to C M MacGregor. Aug. 30, 1919  
 Sept. 3, 1919—E VIEW 30 S Mather No. 4338, Oakland. Isabella Stuart to whom it may concern. Aug. 3, 1919  
 Sept. 3, 1919—LOT 12 and E 1/2 Lot 11 Blk 16 Map Lakeshore Highlands, Okd. Lakeshore Highlands Co to C M MacGregor. Aug. 30, 1919  
 Sept. 3, 1919—(1) LOT 6 and SW 1/2 Lot 7 Blk 1; (2) Lot 8 and NE 1/2 Lot 7 Blk 1; (3) Lot 10 and SW 1/2 Lot 11 Blk 2, Map Havenscourt. Havenscourt Co to C B Deuble. Sept. 2, 1919

### BUILDING CONTRACTS.

#### Fresno County.

(Correction in Contractor's Name.)  
**DWELLING, ETC.**  
 LOT 11, NORTH VAN NESS TCT., Fresno. Frame dwelling and garage.  
 Owner—Charles L. Fink, 736 Dudley, Fresno.  
 Architect—None.  
 Contractor—Homer Garger, 1014 S-4th, Fresno.  
**COST, \$3950**  
**FRAME DWELLING**  
 LOTS 33 AND 34 BLK 2 College Addition, Fresno. Frame dwelling.  
 Owner—J. G. Porter, 940 Cambridge St., Fresno.  
 Architect—None.  
 Day's work. **COST, \$10,000**  
**DWELLING, ETC.**  
 LOTS 14, 15, BLK. 1, Bartlett Heights, Fresno. Frame dwelling and garage.

Owner—M. C. R. Nelson, 1247 I St., Fresno.  
 Architect—None.  
 Days work. **COST, \$4200**  
**DWELLING, ETC.**  
 LOTS 23, 24, BLK. 3, MAYWOOD, Fresno. Frame dwelling and garage.  
 Owner—Blackwell Building Co., 202 Trust Co., Bldg., Fresno.  
 Architect—None.  
 Contractor—R. C. Blackwell, 1378 Wilson St., Fresno.  
**COST, \$3500**  
**DWELLING, ETC.**  
 LOTS 2, 3, WILSON TRACT, Fresno. Frame dwelling and garage.  
 Owner—R. O. Wilson, Fresno.  
 Architect—None.  
 Contractor—R. C. Blackwell, 1378 Wilson St., Fresno.  
**COST, \$12,500**  
**DWELLING, ETC.**  
 LOTS 24, 25, BLK. 16, NORTH PARK Terrace, Fresno. Frame dwelling and garage.  
 Owner—Blackwell Building Co., 202 Trust Co., Bldg., Fresno.  
 Architect—None.  
 Contractor—R. C. Blackwell, 1378 Wilson St., Fresno.  
**COST, \$7000**  
**DWELLING, ETC.**  
 NO. 1228 DEL MAR AVE., Fresno. Frame dwelling and garage.  
 Owner—N. Nelson, Fresno.  
 Architect—None.  
 Day's work. **COST, \$3000**  
**DWELLING, ETC.**  
 LOT 2, BLK. 13, HAZELWOOD, Fresno. Frame dwelling and garage.  
 Owner—Fred Lowe, Fresno.  
 Architect—None.  
 Day's work. **COST, \$2500**  
**DWELLING, ETC.**  
 LOT 6, BLK. 26, HAZELWOOD, Fresno. Frame dwelling and garage.  
 Owner—Geo. Kaye, 217 Abby, Fresno.  
 Architect—None.  
 Contractor—Dan Blosser, 3212 El Monte, Fresno.  
**COST, \$4000**  
**REBUILD**  
 LOTS 17, 18, 19, BLK. 59, Fresno. Rebuild old planing mill.  
 Owner—W. H. Hollenbeck, Van Ness cor. Lorena, Fresno.  
 Architect—None.  
 Day's work. **COST, \$9000**  
**GARAGE**  
 LOTS 3, 4, 5, BLK. 53, Fresno. Garage.  
 Owner—A. G. Wishon, 3543 Huntington Blvd., Fresno.  
 Architect—None.  
 Contractor—S. L. Allen, 530 Fortcamp, Fresno.  
**COST, \$9620**  
**DWELLING**  
 NO. 212 ECHO AVE., Fresno. Frame dwelling.  
 Owner—Marvin A. Peterson, 212 Echo Ave., Fresno.  
 Architect—None.  
 Day's work. **COST, \$2500**

**DWELLINGS, ETC.**  
 LOTS 4, 5, 6, 7, 8, 9, LA SIERRA Tct. Fresno. Three frame dwellings and garages.  
 Owner—C. C. L. & I. Co.  
 Architect—None.  
 Contractor—R. C. Blackwell, 1378 Wilson St., Fresno.  
**COST, \$4,000, \$4,250 and \$4,500**  
**ELECTRIC WORK**  
 FRESNO. Electrical work for bakery building.  
 Owner—San Joaquin Baking Co., Fresno.  
 Architect—None.  
 General Contractor—R. Pedersen, 446 Clark, Fresno.  
 Sub-contractor—Fresno Electrical Co., 2320 Tulare St., Fresno.  
 Filed Aug. 29, '19. Dated Aug. 20, '19.  
 Monthly .....75%  
 Usual 35 days .....25%  
**TOTAL COST, \$8269**  
 Bond, \$4150. Sureties, Maryland Casualty Co. Forfeit, limit, none. Plans and specifications filed.  
**SCHOOL**  
 MENDOTA GRAMMAR SCHOOL DISTRICT, Fresno. School building.  
 Owner—Mendota Grammar School District.  
 Architect—Ernest J. Kump, Rowell Bldg., Fresno.  
 Contractor—Jas. L. Daly, 702 G-Mck Bldg., Fresno.  
 Filed Aug. 21, '19. Dated Aug. 21, '19.  
 Monthly .....75%  
 Usual 35 days .....25%  
**TOTAL COST, \$22,430**  
 Bond, \$16,822. Sureties, American Surety Co. Forfeit, \$10. Limit, 125 days. Plans and specifications filed.  
**HEATING & VENTILATING**  
 LOTS 21, 30, BLK. 23, FIREBAUGH. Installation of heating and ventilating system in school building.  
 Owner—Firebaugh Joint Grammar School District.  
 Architect—Anton Johnson, Kingsburg.  
 Contractor—Jas. A. Nelson, 509 6th St., San Francisco.  
 Dated Aug. 20, 1919.  
 December 15, 1919 .....\$4,888  
**TOTAL COST, \$4,888**  
 Bond, \$2,444. Sureties, American Indemnity Co. Forfeit, none. Limit, 40 working days. Plans and specifications filed.  
**SCHOOL**  
 CLAREMONT SCHOOL DISTRICT, Fresno. One-story brick and frame school.  
 Owner—Claremont Grammar School District.  
 Architect—Ernest J. Kump, Rowell Bldg., Fresno.  
 Contractor—O. J. Och. Filed Aug. 21, '19. Dated Aug. 21, '19.  
 Monthly .....75%  
 Usual 35 days .....25%  
**TOTAL COST, \$34,000**  
 Bond, \$17,250. Sureties, Royal Indemnity Co. Forfeit, \$10. Limit, 125 days. Plans and specifications filed.  
**GARAGE**  
 LOTS 1, 2, 3, AND PART LOT 4, BLK. 65, Fresno. Garage.  
 Owner—G. W. Dowda, 1455 I St., Fresno.  
 Architect—None.

Contractor—A. Allen, 259 Blackstone,  
Fresno.

COST, \$21,000

**DWELLING**  
NO. 3228 "O" ST., Fresno. Frame  
dwelling.  
Owner—Mrs. E. Pink, 561 Van Ness,  
Fresno.  
Architect—None.  
Day's work. COST, \$2200

**DWELLING**  
LOTS 6, 7, BLG. 235, Fresno. Frame  
dwelling.  
Owner—Fred Kinzel, 441 "C," Fresno.  
Architect—None.  
Contractor—Karl Fogt and Pete Steinhauer, 2127 Poppy St., Fresno.  
COST, \$2200

**DWELLING, ETC.**  
LOT 7, BLK. 29, ALTA VISTA TCT.,  
Fresno. Frame dwelling and garage.  
Owner—C. R. Johnson, 1035 "P," St.,  
Fresno.  
Architect—None.  
Contractor—Reese & Atkins, 3643  
Platt St., Fresno.  
COST, \$4200

**DWELLING, ETC.**  
LOTS 3, 4, BLK. 15, ARLINGTON  
Heights, Fresno. Frame dwelling  
and garage.  
Owner—L. W. Wilson, 1435 Wishon  
St., Fresno.  
Architect—None.  
Contractor—C. Samuelson, 232 Yosemite St., Fresno.  
COST, \$2150

**DWELLINGS, ETC.**  
LOTS 27, 28, 31, 32, BLK. 4, Arlington Heights, Fresno. Two frame  
dwellings and garages.  
Owner—McMurry & McCabe, 837 "I"  
St., Fresno.  
Architect—None.  
Contractor—Reese & Atkins, 3643  
Platt St., Fresno.  
COST, \$2750 each.

**DWELLING**  
LOTS 13, 14, BLK. 11, WOODWARD  
Add, Fresno. Frame dwelling.  
Owner—Rose Starkel, 2042 Pearl St.,  
Fresno.  
Architect—None.  
Contractor—J. W. Steele, 1339 "J" St.,  
Fresno.  
COST, \$2000

**REPAIRS**  
NO. 2898 THOMAS AVE., Fresno. Repairs.  
Owner—J. E. McMann, Premises.  
Architect—None.  
Day's work. COST, \$1500

**DWELLING, ETC.**  
LOTS 39, 40, BLK. 23, McLMONT Add,  
Fresno. Frame dwelling and garage.  
Owner—C. M. Chitty, Fresno.  
Architect—None.  
Day's work. COST, \$3000

## COMPLETION NOTICES.

### Fresno County.

Recorded Accepted  
Aug. 23, 1919—WILSON NORTH  
Fresno Tct Lot 4, Blk 14, Fresno.  
A-P Wilson to whom it may concern  
Aug. 20, 1919

Aug. 26, 1919—LOTS 9 AND 10 BLK  
6, North Park Terrace, Fresno. G  
H Stivers to Geo Brashers.  
Aug. 23, 1919  
Recorded Accepted  
Aug. 30, 1919—LOTS 86 AND 87 Del  
Mar Tct, Fresno. R E Anderson  
to whom it may concern Aug 15, 19

## FRESNO BUILDING TOTALS FOR AUGUST.

The following is a report of the  
building operations for the month of  
August, 1919, for the city of Fresno:

	Permits	Cost
New building	73	\$224,920
Total to date		1,694,116
Alterations & repair	43	\$2,227
Total to date		215,919

## BUILDING CONTRACTS.

### San Joaquin County.

**BUILDING.**  
LOTS 8, 10, 12 AND 16, BLK. 18, East  
Stockton. Concrete work for a two-  
story Class "A" industrial building.  
Owner—The Georges Co., 29 S-Aurora  
St., Stockton.  
Architect—None.  
Contractor—J. A. Silver.  
Filed Aug. 26, '19. Dated Aug. 9, '19.  
COST, \$—

**BRICK WORK ON ABOVE.**  
Contractor—Masow & Morrison, Mo-  
nadnock Bldg., San Francisco.  
Filed Aug. 26, '19. Dated Aug. 9, '19.  
COST, \$—

**STRUCTURAL IRON AND STEEL**  
work on above.  
Contractor—Ralston Iron Works, 20th  
and Indiana, San Francisco.  
Filed Aug. 26, '19. Dated Aug. 9, '19.  
COST, \$—

**MILL WORK ON ABOVE.**  
Contractor—Pacific Mfg. Co., 177 Stev-  
enson St., San Francisco.  
Filed Aug. 26, '19. Dated Aug. 9, '19.  
COST, \$—

**CARPENTER WORK ON ABOVE.**  
Contractor—Joseph Chirhart.  
Filed Aug. 26, '19. Dated Aug. 9, '19.  
COST, \$—

**PAINTING AND DECORATING ON**  
above.  
Contractor—Geo. Markert, 348 E-8th  
St., Stockton.  
Filed Aug. 26, '19. Dated Aug. 9, '19.  
COST, \$—

**LATHING AND PLASTERING ON**  
above.  
Contractor—Perry Bros.  
Filed Aug. 26, '19. Dated Aug. 9, '19.  
COST, \$—

**SECRET MPTAL WORK ON ABOVE.**  
Contractor O. H. Miller and O. T.  
Hays, 129 N-California, Stockton.  
Filed Aug. 26, '19. Dated Aug. 9, '19.  
COST, \$—

**DWELLING, ETC.**  
PINCHOT AND OPHIR STS., Stock-  
ton. Frame dwelling and garage.  
Architect—None.  
Owner—Ira W. Anderson, 24 E-Jefferson,  
Stockton,  
Day's work, COST, \$1200

**DWELLING, ETC.**  
ARGONAUT AND PARK STS., Stock-  
ton. Frame dwelling and garage.  
Owner—G. W. Jacobs, 730 E-Aetia  
St., Stockton.  
Architect—None.  
Day's work. COST, \$5430

**FRAME COTTAGE, ETC.**  
SAN JOSE AND PARK STS., Stock-  
ton. Frame cottage and garage.  
Owner—F. M. Gauthier, Stockton.  
Architect—None.  
Day's work. COST, \$3650

**FRAME DWELLING**  
S 222½ FEET LOT 5 BLK 4 Subd.  
No. 2, Stockton Acres. One-story  
frame dwelling.  
Owner—A. L. Trievelpiece, Stockton.  
Architect—None.  
Contractor—Lee R. Burrow and Laur-  
ence Hertzig, Stockton.  
Filed Sept 2, '19. Dated Aug. 21, '19.  
COST, \$—

**ALTERATIONS**  
WEBER AVE., bet. Center and El  
Dorado Sts., Stockton. Remodel  
building.  
Owner—Hals, Ingalls & Buckley,  
Stockton.  
Architect—None.  
Day's work. COST, \$1275

## BUILDING CONTRACTS.

### Sacramento County.

**BUILDING**  
E 39 FT. OF W 60 FT LOT 3 AND W  
1 ft. of E ¼ lot 3, L-M-6th-7th Sts.,  
Sacramento. Building.  
Owner—Albert Elkus and Edgar J.  
Kay, 830 "K" St., Stockton.  
Architect—None.  
Contractor—George L. Herndon and  
Henry Finnigan, 1714 16th St.,  
Sacramento.  
Filed Aug. 28, '19. Dated Aug. 25, '19.  
COST, \$7000

**ROOF**  
FIRST NATIONAL BANK BLDG.,  
Sacramento. Corrugated iron roof.  
Owner—Simpson Estate.  
Architect—None.  
Contractor—Latourrette - Fical Co.,  
3431 Sacramento Blvd., Sacra-  
mento.  
COST, \$2000

## BUILDING CONTRACTS.

### Santa Clara County.

**BUNGALOW**  
NO. 392 S. ELEVENTH ST., San Jose.  
Six-room bungalow.  
Owner—F. C. Nelson, 34 S-15th St.,  
San Jose.  
Architect—None.  
Day's work. COST, \$5000

**RESIDENCE**  
S-FIFTEENTH ST. near William, San  
Jose. Seven-room frame residence.  
Owner—A. K. Burkett, 204 Randall  
Ave., San Jose.  
Architect—None.  
Day's work, COST, \$2800

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock Doors, Sash Frames  
11 A. outlying.

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

Member

SAN FRANCISCO

Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BEECH  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
OREGON MAPLE-PLAIN OAK  
QUARTERED OAK-  
WYBROOK BENDING OAK  
POPLAR-WALNUT



BOXWOOD-EBONY-IRONBARK  
JENISERO-KOA-SPANISH CEDAR  
LIGNUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SPOTTED GUM-GUACUSAM-MUNDT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
DOWELS-TREENAILS-VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUIT, Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

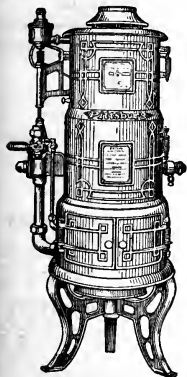
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., September 17, 1919

Published Every Wednesday  
Nineteenth Year, No. 38



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

President—Dr. F. H. Newell, University of Illinois, Urbana, Ill.  
 First Vice-President—W. W. DeBerard, Western Editor Engineering News-Record, Chicago.  
 Second Vice-President—T. A. Evans, Structural Engineer, Meade-Morrison Co., Chicago.  
 Treasurer—John Ericson, City Engineer, Chicago.  
 Secretary—C. E. Drayer.

## Directors.

W. H. Finley, President, C. & N. W. Ry., Chicago, Ill. Past President.  
 W. W. K. Sparrow, Chief Engineer C. M. & St. P. Ry., Chicago.  
 P. E. Harroun, Consulting Engineer, San Francisco, Calif.  
 R. Burnham, Consulting Engineer, Chicago, Ill.  
 F. D. Richards, Bridge Engineer, City of Cleveland.  
 A. A. Matthews, Chief Engineer St. L. S. W. R. R., Tyler, Texas.  
 E. F. Collins, Valuation Engineer St. L.-S. F. Ry., St. Louis.  
 C. H. Crawford, Baldwin Locomotive Works, Philadelphia.  
 Harold Almert, Consulting Engineer, Chicago.  
 F. K. Bennett, Principle Assistant Engineer M. & St. L. Ry., Minneapolis.  
 J. H. Prior, Consulting Engineer, Chicago.  
 Alexander Potter, Civil Engineer, New York City.  
 J. N. Hatch, Consulting Engineer, Chicago.

## NATIONAL HEADQUARTERS

29 S. La Salle St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co. ....	THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles.....	W. P. R. R.
L. D. Howland.....	C. C. Moore Co.
J. F. Johnston.....	Union Const. Co.
I. G. Grundel.....	Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown.....	S. P. R. R.
E. B. Crane.....	C. M. & P. S. Ry.
P. J. Rowell.....	I. C. C.

### COMPENSATION COMMITTEE.

G. M. Nelson.....	Consulting Engineer
E. V. Vandercook.....	S. P. R. R.
W. T. Cleland.....	
Chief Dep. Surveyor Santa Clara Co.	
V. D. Cousins.....	P. T. & T. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp.....	S. P. R. R.
EMPLOYMENT REPRESENTATIVE.	
F. J. Amweg.....	Consulting Engineer.

### MEMBERSHIP COMMITTEE.

D. L. Reynolds.....	Pacific Fruit Ex. Co.
F. J. Amweg.....	Consulting Engineer
W. H. Rupp.....	Southern Pacific R. R.
E. D. Brown.....	Redwood Mfrs. Co.
Clarence D. Stone.....	S. P. Co.
A. B. Hartley.....	S. P. Co.
H. W. Shrieber.....	City of Oakland
F. E. Geibel.....	S. P. Co.
C. B. Newbury.....	Interstate Com. Com.
J. F. Johnston.....	Union Const. Co.
E. V. Vandercook.....	S. P. Co.

### INTER-CHAPTER ADJUSTMENT COMMITTEE.

A. G. Mott.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.
W. S. Wollner.....	N. W. P. Co.

### QUALIFICATION COMMITTEE

W. H. Phelps.....	S. P. Co.
O. R. West.....	A. T. & S. F. R. R.

### PUBLICITY COMMITTEE

E. D. Brown.....	Redwood Mfgs Co.
G. M. Nelson.....	Consulting Engineer

### POLITICAL COMMITTEE

E. H. Herbert.....	Oliver Mfg. Co.
--------------------	-----------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.  
 Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

*San Francisco Chapter Office, 700 Marston Bldg.*

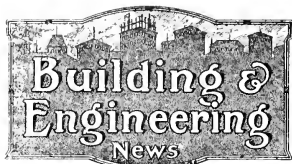
A. G. Mott, Secretary

244 Kearny St., S. F.

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
360 Mission Street.  
Telephone—Douglas 3272.

J. P. FARRELL, Exchange Editor

# American Association of Engineers

## HIGHWAY MAINTENANCE.

By G. M. N.

A perusal of the first biennial report of the California State Highway Commission, of date of December 31, 1918, is not apt to give an engineer any inflated notions as to the ability of his profession being able to do for one dollar what any fool can do for two.

We extract the following:  
"The maintenance of the State Highways is of ever growing importance." "At the close of the fiscal year in 1918, there were under maintenance 1,450 miles of highways constructed by the commission, 167 miles of paved highway which were on the state highway routes and which had been taken over from various counties, and 583 miles of mountain roads, most of which were under state control prior to the formation of the California Highway Commission, a total of 2,300 miles of roads and highways."  
"The state highway maintenance work is financed wholly by the Motor Vehicle Fund which is derived from the fees paid annually by motor vehicle owners and operators into the state treasury."

"Under the present law (Vehicle Act of 1915, amended 1917, Chapter 218), after deducting from the total receipts of the Motor Vehicle Department, the balance remaining is divided into two equal parts, one part going to the State Motor Vehicle Fund for use in maintaining the state highways, the other part being paid to the several counties of the state for their use in maintaining the county roads."

"Following is the tabulation showing the amounts available for state highway purposes from the State Motor Vehicle Fund for each of the several calendar years since the Motor Vehicle Fund has been operative:

1914 .....	\$ 591,228.57
1915 .....	932,492.78
1916 .....	964,784.65
1917 .....	1,247,268.60
1918 .....	1,395,817.89
Total .....	\$5,131,502.69

Assigned to State Engineer 586,450.86  
Total available for use of California Highway Commission .....

During the same period the counties have had available the sum of \$5,131,592.69 for expenditure on county roads."

"The expenditures for state highway maintenance and improvements for the several years during which the

Motor Vehicle Fund has been in existence follow:

1914 .....	\$ 83,935.85
1915 .....	47,894.40
1916 .....	1,189,812.10
1917 .....	772,185.15
1918 first six months.....	406,552.28

Total to June 30, 1918. \$2,907,677.78

"In addition to this total expenditure the sum of \$540,000 in round numbers was allotted but not expended by June 30, 1918."

"It is becoming increasingly apparent that more money will soon be needed for the upkeep of the State Highway than is provided by the existing law."

Of the 1450 miles of highway constructed by the Commission up to the end of the fiscal year 1918, 1,095 were paved and the contracts for these were let somewhat in the following order:

1912 .....	132 miles
1913 .....	184 miles
1914 .....	402 miles
1915 .....	218 miles
1916 .....	58 miles
1917 .....	58 miles
1918 .....	13 miles

1095 miles

Comparing the first four years mileage let with the maintenance figures for 1914, 1915 and 1916, some rather astonishing figures reveal themselves. Contracts let 1912-1913.....316 miles  
Maintenance cost 1914 ..\$265 per mile  
Contracts let 1912-1914 .....

718 miles  
Maintenance cost 1915 ..\$633 per mile  
Contracts let 1912-1915.....966 miles  
Maintenance cost 1916 ..\$1231 per mile

The next year the war stepped in and put a stop to all road construction work for a time and normal conditions of activity are just about returning now so the maintenance figures for 1917 and 1918 do not tell the real story they would have told without the war paralysis. The types of roads in need of repair after being constructed only a couple of years are as follows:

Oiled concrete .....	933 miles
Oiled macadam .....	129 miles
Asphalt .....	32 miles

As we got about 1500 miles for the first 18 million dollars, we paid an average of \$12,000 per mile, and the maintenance cost per mile for 1916 showed \$1231, which is about 10% of the first cost, or in ten years at that rate we shall have paid out as much for maintenance as the original cost and we have still only started to pay

off on the bonds. Some of the good gravel roads that the farmers used to build were not any more expensive even if kept in good shape all the time.

## 77 MEN IN THE CITY ENGINEER'S OFFICE OF S. F. LAID OFF.

Seventy-seven employees of the engineering department of the Board of Works lost their jobs as the result of retrenchment by the Supervisors in their appropriation for the coming fiscal year. It was the most drastic wielding of the official ax recorded in many years in the history of municipal affairs. Sixty of the men laid off are actively employed in the City Engineer's office, while the other seventeen are away on leave of absence.

Two men on the appended list who were laid off were re-employed in other capacities. They were A. J. Cleary, listed as assistant civil engineer, and C. E. Healy, inspector. They have been made first and second assistant to Chief O'Shaughnessy. Those who lost their positions, according to the list given out by the City Engineer, were:

Assistant Civil Engineers—H. W. Swanitz, F. G. Darlington, Samuel Hodes, F. K. Blue, G. I. Battelle, H. J. Schaufele, A. J. Cleary, O. J. Todd, R. J. Wood, G. R. Kline, W. J. Fitzgerald, L. A. Sanchez.

Supervising Assistant Engineer—F. A. Temple.

Engineer Draftsmen—F. M. Hyde, C. M. Fanning, F. E. Brown, J. C. Gard, H. L. Reinfield, B. E. Dunn, J. O. Hanson, Eugene Burjan, L. G. Tegtmeyer, J. O. Meyerink, Jr., E. A. Baird, C. A. Hoffman, U. G. Brown, F. E. Hackney, D. A. Riedy.

Surveyors—John Schlotzhaner, E. E. Tucker, F. W. Knox, D. A. Jones.

Field Assistants—E. E. Jordan, J. L. Drum, Simon Corinson, Ivan Flamm, Philip Williams, E. A. Garen, C. H. Stern, C. A. Gardiner, M. J. Callaghan, W. A. Smith, Jr., Raymond Grier, G. R. Code, J. F. Coughlan, J. E. McCarty, Clifford Jones, Howard Miller, W. H. Eggert, W. F. Kaiser.

Engineer Chemist's Assistant—James Reavey.

Photostat Operator—William Wankowski, Jr.

Inspectors of Streets and Stewards—G. V. Rhodes, W. T. Lundy, W. F. Donnelly, J. J. Casey, E. F. Muhem, J. H. Ryan, Jr., E. J. Riordan, W. S. Morrill, H. V. Leffer, F. J. Lewis, J. J. Schlapp, A. B. Brown, L. R. McCarpe, De Log

Murphy, H. K. Brainerd, C. H. Taylor, C. E. Healy, A. J. Wehner, M. D. Johnson, A. V. Rowhay, Edward I. Titlow, F. H. Spitzer, G. W. Purser, Louis McAtee, C. V. Patterson, W. J. Walsh, W. J. Harrington.

Is the Waiving Delegate providing new jobs?

#### O'SHAUGHNESSY CHOICES FOUGHT.

Civil service engineers recently suspended by the engineering department of the Board of Works are preparing to contest the appointment of A. J. Cleary and C. E. Healy as first and second assistants to City Engineer M. M. O'Shaughnessy. It is contended that Cleary and Healy are lower in civil service rating than some of the men now out of their places.

The matter has been placed before the Civil Service Employees' Association and a ruling is to be asked from the Civil Service Commission. One of the members of the association in stating the case said:

"We do not contend that the City Engineer has not the right to appoint any one he sees fit from the civil service list for his first and second assistants. But we do contend that he must confine himself to that list.

"Five of the men laid off are higher on the list than Cleary. We shall claim before the Civil Service Commission that O'Shaughnessy can take any man say from twenty-five on the list. But we shall also claim that Cleary being lower on the list than the first twenty-five he should not be preferred.

"C. E. Healy, who has been made the second assistant, is not even rated as an engineer. We do not believe that in either selection O'Shaughnessy has considered civil service rules and regulations.

#### RINCON HILL CUT IS NOW POSSIBLE.

With the passage of an ordinance modifying the method of making street grades and establishing assessment districts, the San Francisco Supervisors have taken the first official step looking to the leveling of Rincon Hill. The proposed changes were made as the result of studies that have been made in the Rincon Hill section and are being made to meet the requirements as they have developed in the investigation.

It will make possible to include in an assessment district properties now under water, but which will be benefited by reason of the fact that they will be filled in by earth removed from Rincon Hill.

#### IT IS TO LAUGH.

#### Just What the Property Owners Wanted Done Five Years Ago.

That Porterville property owner in front of whose property the Federal Construction Company laid paving five years ago, will yet pay for the work if the company has to tear up every bit of it and do it over again, was the declaration of J. A. Dowling and W. F. Hanrahan, president and secretary of the company.

They declared they are backed by the Portland Cement Association of

America and that organization will stand the cost if necessary.

The Portland Cement Association of America is very much worried about spending its money patching up bum paving jobs in California or elsewhere.

#### NEWS FROM NATIONAL HEAD-QUARTERS.

In addition to obtaining the recent increases in the salaries of professional engineers in the Northwestern Region of the United States Railroad Administration, the American Association of Engineers has effected an increase in salaries in the Eastern Region. The schedule was announced on August 28. A complete report of the methods being pursued in the railroad campaign, a resume of the results obtained to date, and a forecast of the results expected to follow those already obtained, will be made at a meeting of the Chicago Chapter of the Association in the evening of September 12th, at the City Club, 315 Plymouth Court, Chicago.

The American Association of Engineers has issued a request to each of its 6600 members to write to his congressman requesting his support of the Jones-Reavis Bill providing for a National Department of Public Works. Instructions are being issued to each chapter and club containing means of stimulating local interest in this bill and of obtaining the support of the voters in each community.

M. A. Long, architect and assistant to the Chief Engineer of the Baltimore and Ohio Railroad, Lines East, has resigned. Mr. L. P. Kimball, Bridge Engineer of the Lines West, has been promoted to the position vacated by Mr. Long's resignation. Mr. Kimball has been secretary of the Cincinnati Chapter of the American Association of Engineers.

The Committee of the American Association of Engineers on salaries of Engineers in Public Service has made such progress with a schedule of salaries of highway engineers that the final report, including the schedule will be submitted in the early fall in full time for discussion prior to making up budgets and planning for next year's legislatures. The organization of the committee is such as to receive the support and advice of the leading engineers of the groups of engineers most concerned in the schedules.

The Committee on Salaries of Engineers in Public Service consists of A. N. Johnson, Consulting Highway Engineer of the Portland Cement Association as Chairman; A. R. Hirst, State Highway Engineer of Wisconsin; S. C. Hadden, Editor of "Municipal & County Engineering," and F. H. Newell, President of the Association. The committee has selected as corresponding members on schedules for highway engineers. Thos. H. McDonald, Director U. S. Office of Public Roads; W. L. Basset, Bureau of Municipal Research; Col. W. D. Uhler, Chief Engineer State Highway Department of Pennsylvania; A. B. Fletcher, State Highway Engineer of California; A. W. Dean, Chief Engineer Highway Commission of Massachusetts; Clifford

Older, Chief Engineer State Highway Commission of Illinois, and H. G. Shiley, Secretary Highway Industries Association. The next schedule to be undertaken will be that of municipal and county engineers, and the corresponding members of this schedule are now being elected.

#### FREE EXPERT ADVICE TO THE PUBLIC.

By Cedric B. Smith.

The public has had plenty of advice and admonition on such subjects as sickness, the making of wills and what steps to take in obtaining redress for personal injuries, through the fast flowing pens of doctors and lawyers literally inclining. As to whether the tendency on the part of certain members of these professions has been due to a necessity of eking out a slender income by the preparation of material for publication, or whether it is due to a natural inclination for such work there is no clue. Suffice it to say that the medical and legal professions have contributed a great deal of professional knowledge to the readers of our daily papers and other periodicals.

Engineers have had their spectacular achievements, such as the digging of the Panama Canal, the boring of some of the tunnels under the river in New York City, and the finally successful erection of the last span in the Quebec bridge, chronicled in the more or less indefinite fashion that always distinguishes the efforts of non-technical writers in handling a technical subject, but seldom have they attempted to give the public the benefit of their experience along engineering lines. The average citizen, never having been told, does not realize that many millions of dollars are being wasted every year as the result of having paving, sewers, filtration plants and other public works constructed under the direction of non-technical political appointees, nor does he understand that the notorious H. C. L. is one of the direct descendants of Misdirection of Public Works.

The American Association of Engineers realizes that as the one representative of engineering organizations in the United States, its duties include the presentation to the public of that information which will enable it to insist that the money appropriated for public improvements be used in a systematic way to accomplish the purpose for which it is intended, and under the direction of an engineer instead of a butcher, a baker or a candlestick maker appointed because of his value to the local political "organization."

In order that the public may become informed of these things and upon other phases of the engineering profession, the great engineers of the country are being urged to give to the laymen the benefit of their experience. The American Association of Engineers, or A. A. E., as it is usually referred to, is having prepared by some of these engineers pertinent accounts of the misuse of public funds which has occurred in the past, the evils which exist today, and the remedial measures which may be advocated.

Dr. Frederick H. Newell, President of the American Association of Engineers (Continued on Page 23)

**OFFICIAL ENGINEERING POSITIONS IN CALIFORNIA.**  
The Compensation Committee of the San Francisco Chapter, A. A. E., has started a survey of all official engineering positions in the State of California in order to create a sound basis for an intelligent wage study. We have compiled all the official information attainable from reports and other public documents, and invite the engineers of California to send us any information possible that will bring our data up to date. We shall print our data as we proceed in compiling it, and when all corrections have been made and the report is up to date, it will be published in full so we shall have a basis to work on in the future that is well worth the labor.

COMPENSATION COMMITTEE, S. F. CHAPTER,  
A. A. E.,

GEORGE M. NELSON, Chairman.  
Consulting Engineer

### LOS ANGELES COUNTY.

#### Surveyor Dept.

(County Civil Service)

	Per Month.
Surveyor .....	\$300.00
Chief Deputy .....	275.00
Bridge Engineer for Joint Service with Road Dept. ....	225.00
Senior Civil Engineers .....	175.00
Junior Civil Engineers or Senior Draftsmen .....	140.00
Junior Draftsmen .....	115.00
Counter Deputy .....	130.00
Advisors and Chainmen not to exceed 15 at any time (\$2.50 per day) .....	75.00
Instrument men as needed .....	100.00

#### Mechanical Dept.

Chief Mech. Engineer .....	\$225.00
Office and Laboratory Engineer .....	150.00
Mechanical Engineer .....	150.00
Erecting Engineer .....	140.00
Superintendent of Garage .....	150.00
Supervisory Architect .....	175.00
10 to 1 per cent commission on plans designed for new buildings.	

#### Road Dept.

Road Commissioner .....	\$500.00
Supt. Highway Maintenance .....	300.00
Supt. Highway Construction .....	275.00
Supt. Paved Ways .....	160.00
Research and Cost Accountant .....	150.00
Office Asst. Highway Maintenance .....	150.00
Senior Civil Engineers and Draftsmen .....	140.00
Junior Civil Engineers and Draftsmen .....	115.00
Bridge Engineer .....	225.00
Asst. Highway Engineers .....	110.00
Senior Office Engineer .....	175.00
Senior Civil Resident Engineers .....	175.00
Junior Civil Resident Engineers .....	140.00
Road Construction Engineers .....	175.00
Bridge Draftsmen, Sr., Structural .....	175.00
Bridge Draftsmen, Jr., Structural .....	125.00
Surveyors .....	140.00
Transitmen .....	100.00

#### Flood Control Dept.

#### MADERA COUNTY.

Surveyor .....

#### MARIN COUNTY.

Surveyor .....

#### MARIPOSA COUNTY.

Surveyor .....

#### MENDOCINO COUNTY.

Surveyor .....

#### MERCED COUNTY.

Surveyor .....

#### MODOC COUNTY.

Surveyor .....

#### MONO COUNTY.

Surveyor .....

#### MONTEREY COUNTY.

Surveyor .....

Allowed actual traveling expenses incurred in connection with field work and cost of preparing maps, plats, tracings, etc., for the Assessor when directed by him.

### NAPA COUNTY.

Surveyor .....

Allowed actual necessary traveling expenses incurred in connection with field work, and actual necessary expenses and cost of supplies in preparing maps, plats and diagrams for the Assessor or other county officers when directed to prepare the same. All fees, commissions or other compensation allowed to the Surveyor in other counties of other classes except fees or charges for surveys made for private persons and not directed by the Board of Supervisors or county officers for county uses or purposes, shall be collected by the Surveyor and turned into the county treasury and no part thereof except such fees or charges for such private surveys, shall be retained by him as part of his compensation.

### NEVADA COUNTY.

Surveyor .....

### ORANGE COUNTY.

Surveyor .....

(When actually employed)

### PLACER COUNTY.

Surveyor .....

(And necessary expenses)

### PLUMAS COUNTY.

Surveyor .....

### RIVERSIDE COUNTY.

Surveyor .....

Allowed necessary expenses for field deputies and the actual cost of preparing Assessor's maps, whenever a complete set of such maps is ordered prepared by the Board of Supervisors, said cost not to exceed \$1800.

### SACRAMENTO COUNTY.

Surveyor .....

Allowed all necessary expenses for work performed in the office and all necessary expenses and transportation for work performed in the field. Whenever the Board of Supervisors shall or the Assessor may require Assessor's map or block books, the Surveyor shall receive in addition to the salary above noted \$1500 additional expenses expenses required for the preparation and completion of said map or block books.

### SAN BENITO COUNTY.

Surveyor .....

### SAN BERNARDINO COUNTY.

Surveyor .....

2 Deputies (\$3000) .....

Highway Commissioner .....

### SAN DIEGO COUNTY.

Surveyor .....

12 Deputies .....

Additional deputies allowed for limited days for necessary work specified in Chapter 682 of 1913 Statutes. Allowed such additional assistants as may be necessary for field work at \$3 per day and expenses when working in the field.

### SANTA CLARA COUNTY.

Surveyor .....

3 Deputies (\$3750) .....

Allowed all necessary transportation and expenses for work performed in field and in the official discharge of his duties.

### SAN FRANCISCO (CITY AND COUNTY).

No Surveyor or other County Engineer.

### SAN JOAQUIN COUNTY.

Surveyor .....

1 Deputy .....

Allowed actual, reasonable and necessary expenses when engaged in the field or in the office in the discharge of his official duties.

### SAN LUIS OBISPO COUNTY.

Surveyor .....

1 Deputy .....

Allowed actual traveling and necessary expenses incurred in field work, and shall, when directed by Assessor, prepare maps, plats or block books for the use of Assessor at actual cost of preparing the same.

### SAN MATEO COUNTY.

Surveyor .....

Allowed traveling expenses and necessary expenses in the field.

(Continued Next Week.)

# ADVANCE NEWS

## Official Proposals, Etc.

### Building.

#### APARTMENT HOUSES

Ready for Figures in a Few Days.

ADDITION Cost, \$7,000  
SAN BRUNO, San Mateo Co., Cal.

Add one story to present frame one-story building for apartment of 8 rooms.

Owner—Not Given.

Architects—Morrow & Garren, Chronicle Bldg., San Francisco.

Plans Being Figured.

ALTERATIONS Cost, \$30,000  
SAN FRANCISCO, Golden Gate Ave. and Steiner St.

Alter 12 flats into 24 apartments of 3, 4 and 5 rooms each.

Owner—Mr. Schmidt.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

Segregated Figures Being Taken.

APARTMENT HOUSE Cost, \$10,000  
SAN FRANCISCO, SE Ellis and Polk Streets.

Six-story Class "C" reinforced concrete apartment house, 35 2-room apts.

Owner—Thos. and Philip Bannan.

Architect—C. O. Clausen, Hearst Bldg. San Francisco.

SAN FRANCISCO.—Architect S. Helman, 57 Post Street, San Francisco, will take figures next week for heating, plumbing and painting for the four-story and basement brick apartment house building on the south side of California street west of Divisadero street for the Lafayette Investment Co.

Segregated Figures Being Taken.

APARTMENTS Cost, \$—  
PATTERSON, Stanislaus Co., Cal.

Two-story brick store and apartment building, four stores and 4 4-room apartments.

Owner—J. H. Evans.

Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

#### BANKS

Plans to Be Prepared.

BANG BUILDING Cost, \$15,000  
KNIGHTS LANDING, Yolo Co., Cal.

Fireproof bank building.

Owner—Douglas McGriff, Woodland.

Architect—W. H. Weeks, 75 Post St., San Francisco.

NOTE.—It is planned to erect a building on the same lines as that of the Bank of Alex. Brown at Walnut Grove, Cal.

Contract Awarded.

ALTERATION Cost, \$6,000 to \$8,000  
SAN FRANCISCO, No. 161 Market St. Interior alterations to bank.

Owner—Seaboard National Bank.

Architect—B. G. McDougall, Sheldon Bldg., San Francisco.

Contractors—Chas. Stockholm & Son, Monadnock Bldg., San Francisco.

Bids in and Under Advisement.

ALTERATIONS Cost, \$85,000  
RENO, Nevada. Virginia and Second Streets.

Alter two-story brick bank building. (Artificial stone exterior, marble and bronze fixtures, etc.)

Owner—Washington County Bank.

Architects—H. H. Winner Co., Humboldt Bank Bldg., San Francisco.

#### CHURCHES

Plans Being Prepared.

CHURCH Cost, \$—  
LOS ANGELES, North Workman St., near N Broadway.

Brick church, 50x80.

Owner—East Los Angeles Christian Church.

Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Plans Being Prepared.

CHURCH Cost, \$30,000  
LOS ANGELES, N W 5th St. and Westmorland avenue.

Church.

Owner—Church of the New Jerusalem (Swedenborgian), Rev. John R. Hunter, 1607 Elden avenue, Los Angeles.

Architect—David Ogilvie, Pasadena.

Preliminary Plans Prepared.

CHURCH Cost, \$75,000  
MONTECITO, Santa Barbara Co., Cal. Spanish style fireproof church.

Owner—Carmelo Catholic Church. Rev. Father A. Serra, Pastor.

Architect—Bertram Goodhue, 2 W. 47th St., New York.

#### FACTORIES & WAREHOUSES

Plans Nearing Completion.

MILK HANDLING PLANT Cost, \$80,000.

SEATTLE, Wash. Eastlake and Fairview Avenues.

Two-story and basement brick milk handling plant, 110x110.

Owner—A. Kristoferson.

Architect—Ellsworth Storey, New York Bldg., Seattle, Wash.

Plans to Be Prepared.

CANNERY BUILDINGS Cost, \$—  
OAKLAND, Alameda Co., Cal. Tidal Canal and High St., 12 acres.

Frame and concrete cannery buildings

Owner—Bisceglia Bros., Monterey Road, San Jose.

Architect—Not Selected.

It is planned to have the cannery ready for the Spring of 1920, but if certain arrangements cannot be made, construction will be delayed a year.

Plans Being Prepared.

FACTORY BLDGS. Cost, \$—  
PASADENA, Los Angeles Co., Cal.

South Marengo Avenue.

Two one-story reinforced concrete and brick factory buildings, with two wings 100x80, 60x80 and 300 x260.

Owner—Warnerlite Co.

Architects—W. P. Shepherd & Herbert A. Hamm, Central Bldg., Los Angeles.

CHINO, San Bernardino Co., Cal.—Libby, McNeill & Libby, who have purchased the Chino cannery, will spend \$250,000 on new buildings and machinery, according to A. H. Cooke Chino real estate dealer, who is handling the local business for the firm. Preliminary plans provided for a two or three-story reinforced concrete building with pressed brick front to cost \$100,000.

Contract Awarded.

CREAMERY, ETC. Cost, \$—  
SALINAS, Monterey Co., Cal. Alisal and Monterey Streets.

Concrete creamery, bakery and garage.

Owner—Breschini Bros., Salinas, Cal.

Designer and Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Ready for Figures Wednesday.

FACTORY Cost, \$15,000  
SAN FRANCISCO, NE Fifth and Folson Streets.

Two-story brick and reinforced concrete factory building.

Owner—Pacific Bag Co.

Architect—S. Heiman, 57 Post St., San Francisco.

Bids will be taken for a general contract.

HANFORD, Kings Co., Cal.—Swift & Co., of Chicago, will erect a reinforced concrete and brick creamery building, 75x125 feet, at Hanford. Bids are now being taken.

Plans Being Prepared.

MOTION PICTURE PLANT. Cost, \$1,500,000

LOS ANGELES, Melrose and Crescent avenues (20 acres).

Motion Picture Producing Plant to serve 30 producing companies.

Owner—Paul Studios, Inc.

Architect—E. Fossler, 6434 Hollywood Blvd., Los Angeles.

#### FIRE HOUSES AND JAILS

Plans Being Figured.

FIREHOUSE Cost, \$—  
REDWOOD CITY, San Mateo Co., Cal.

Two-story brick and concrete firehouse and memorial hall.

Owner—City of Redwood City.

Architect—J. R. Miller, Lick Bldg., San Francisco.

Plans may be obtained from Mr. Miller's office for a deposit of \$10 to be returned on return of plans. Bids will be taken for a general contract.

#### GARAGES

Plans Prepared.

GARAGE Cost, \$40,000  
PORTLAND, Ore. 21st and Morrison Streets.

Two-story mill construction brick ga-

page (59x166x60x108 irregular)  
 Owner—Nantilla Investment Co., Yeon Bldg., Portland, Ore.  
 Architects—Folger, Johnson & James Parker, Associate, U. S. Bank Bldg., Portland, Ore.

Contract Awarded.  
 GARAGE Cost, \$63,000  
 LOS ANGELES. No. 1736-30 N-Spring Street.

Reinforced concrete garage, 30x284 and a reinforced concrete machine shop, 80x198.

Owner—Standard Oil Company.  
 Architect—None.  
 Contractor—Earl F. Low, 343 Wilcox Bldg., Los Angeles.

Plans Being Prepared.  
 GARAGE. Cost, \$—  
 LOS ANGELES. Figueroa St. north Pico St.

Two-story and basement Class "A" garage building, 100x150.

Owner—J. A. Graves.  
 Lessee—Maxwell-Hoffman Co., agents for Studebaker autos.  
 Architect—Morgan, Walls & Morgan, 1124 Van Nuys Bldg., Los Angeles.

## GOVERNMENT WORK AND SUPPLIES

Contract Awarded.  
 STRUCTURAL SHOP Cost, \$491,000  
 Limit, 200 days.  
 MARE ISLAND, Cal.

Completion of structural shop.  
 Owner—U. S. Government.  
 Architect—None.  
 Contractor—Clinton Constr. Co., 140 Townsend St., San Francisco.

SUPPLIES FOR THE NAVY—Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows:

Closing date noted at end of each paragraph.

Schedule 4497, for Puget Sound, 2 band saws, 4 chuck columns, 2 platform and crane scales, miscellaneous cylinder boring and pipe threading machines and 2 electric welders, opening of September —. Closing date not set.

Schedule 4498, for any yard, station or other point in the United States, miscellaneous tires, tubes and casings, opening of September 30.

Closing Date Not Set on the Following  
 Schedule 4501, f. o. b. works, 49 propellers.

Schedule 4505, for Puget Sound, 2 turret lathes.

Schedule 4506, for Puget Sound, 1 power hacksaw, 5 arbor presses and 2 cutting cold saws.

Schedule 4507, for Puget Sound, 4 bench drills, 1 centering machine and 3 precision lathes.

Schedule 4508, for Puget Sound, 4 radial drills and 6 drill presses.

Schedule 4509, for Puget Sound, 2 buffing machines and various kinds of grinders.

Schedule 4519, for Puget Sound, 6 grinding machines.

Schedule 4519, for Puget Sound, 6 milling machines.

Schedule 4520, for Puget Sound, 1 crank slotter and 1 cutting machine.

Schedule 4521, for Puget Sound, miscellaneous engine lathes.

Schedule 4522, for Puget Sound, 3 planers, 2 turret lathes and 2 boring mills.

Schedule 4523, for Puget Sound, 4 crank shapers.

Schedule 4524, for Puget Sound, 2 boring, drilling and milling machines.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

SAN FRANCISCO CIRCULAR 52—Zone General Supply Depot, Fort Mason, San Francisco, Calif.—Bids are wanted until September 22, 1919, circular 52, for furnishing 200 gallons crude carbolic acid, 20 gallons muriatic acid, 2,000 bottles, 2,000 pounds absorbent cotton, 8,000 pounds excelsior, 4,000 gallons embalming fluid, 4,000 gallons formaldehyde, 2,000 coffins, 150 ligatures, 300 pounds plaster paris, 10,000 yards white sheeting, 3,617 pounds solder, 250 pounds sponge, 4,000 metal tags, 200 spools machine thread, 8,000 feet stone wire and 60,000 square feet sheet zinc. For further information address the above office.

BENICIA, Cal.—The following bids were received September 12th by Colonel O'Hern, Commandant at Benicia Arsenal, for the construction of a one-story brick, hollow tile and concrete artillery storehouse building.

Robert Trost, 26th and Howard Sts., San Francisco, submitted the lowest bid at \$115,988 and will probably be awarded the contract.

Robert Trost, S. F. .... \$115,988  
 Alfred H. Vogt, S. F. .... 135,456  
 McLeran & Peterson, S. F. 137,500

Navy Department, Washington, D. C., Office of the Chief of the Bureau of Yards and Docks.—Sealed bids are wanted until September 24, 1919, for extension to building 178, navy yard, Puget Sound, under Specification 4009.

Plans for this work have already been taken out by the American Bridge Co. of Washington, D. C.

## HALL AND SOCIETY BUILDINGS.

Plans Being Prepared.  
 Y. M. C. A. BLDG. Cost, \$150,000  
 LONG BEACH, Los Angeles Co., Cal.  
 Three-story and basement brick Y. M. C. A. Bldg., 150x90.

Owner—Y. M. C. A.  
 Architects—W. Horace Austin, Long Beach and E. L. Mayberry, 463 Pacific Electric Bldg., Los Angeles.

Preliminary plans have been approved.

Preliminary Plans Complete.  
 CLUB BLDG. Cost, \$20,000  
 SALINAS, Cal. Lincoln Ave. adjoining City Hall.

Two-story frame women's club building.

Owner—Withheld.  
 Architect—Jas. A. Magee, 661 Phelan Bldg., San Francisco.

## HOSPITALS

OAKLAND, Cal.—The following bids were received September 11th by the County Clerk of Alameda County for extensive alterations to a two-story frame hospital building at the County

Hospital near San Leandro:

W. M. Maurice, 505 E-22nd St., Oakland, submitted the lowest bid at \$52,000. Plans were prepared by Henry H. Meyers, Kohl Bldg., San Francisco.  
 W. M. Maurice, Oakland, ..... \$52,000  
 R. W. Littlefield, Oakland, ..... 65,469  
 E. T. Leiter, San Francisco, ..... 59,787  
 McLeran & Peterson, S. F., ..... 58,700  
 W. G. Thornally, Oakland, ..... 60,975  
 Bids were taken under advisement.

SAN FRANCISCO.—The following bids were received by the Board of Public Works for the completion of the southeast and northeast wings of the San Francisco Hospital:

O. Monson, \$47,945 (a) \$500; (b) \$4,700; (c) \$3,400; (d) \$4,400; (e) \$1,400.  
 A. H. Vogt, \$70,983; (a) \$1,250; (b) \$6,000; (c) \$4,300; (d) \$5,700; (e) \$2,500  
 Anderson & Ringrose, \$59,333; (a) \$1,000; (b) \$7,500; (c) \$5,000; (d) \$5,500; (e) \$1,000.

Preliminary Plans Being Prepared.  
 HOSPITAL Cost, \$600,000  
 OAKLAND, Alameda Co., Cal. Corner 31st St. and Telegraph Avenue.  
 Seven-story Class "A" hospital building.

Owner—East Bay Sanatorium, 3113 Telegraph Ave., Oakland.  
 Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Sketches Prepared.  
 HOSPITAL Cost, \$—  
 TAFT, Keri Co., Cal.  
 Fireproof hospital.  
 Owner—Dr. Galehouse, Taft, Cal.  
 Architect—Thos. Wiseman, Morgan Bldg., Bakersfield, Cal.

Plans Being Figured. Bids Close Oct. 7, 1919, 11 A. M.

HOSPITAL BLDGS. Cost, \$—  
 VENTURA, Ventura Co., Cal.  
 Two-story reinforced concrete hospital building.

Owner—Ventura County.  
 Architect—Albert C. Martin, 430 Higgins Bldg., Los Angeles.

Plans and specifications are on file with the Clerk of the Board of Supervisors of Ventura County, and at the office of the Architect. A deposit of \$20 will be required from all contractors receiving plans.

## HOTELS

MARYSVILLE, Yuba Co., Cal.—Fred Peardon, 513 4th St., has received word from Washington that his offer to erect a building in Marysville for the U. S. Post Office has been accepted. Construction of the building will be started in the near future. Peardon plans to erect a three or four-story building with rooms on the upper floors and the post office quarters on the ground floor.

## POWER PLANTS

Contract Awarded.  
 SUB-STATION Cost, \$—  
 TORRANCE, Los Angeles Co., Cal.  
 Two and three-story reinforced concrete Class "A" sub-station building, 54x142.  
 Owner—Southern California Edison Co.  
 Architect—Eng. Dept. of Owner.  
 Contractor—K. R. Bradley, 1925 E-16th

## PUBLIC BUILDINGS

PETALUMA, Sonoma Co., Cal.—The City Council has directed the City Clerk to arrange for the preparation of plans for the proposed annex to the City Hall for housing the city machinery.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees are planning the erection of a municipal garage to house city machines and equipment for the water superintendent. The building will be of corrugated iron and wood construction.

SAN RAFAEL, Marin Co., Cal.—The City Council has instructed Councilmen Clarke, Conway and Riede to secure estimates of cost for installing an oil heating plant in the municipal baths.

RICHMOND, Contra Costa Co., Cal.—Plans will be presented at the next meeting of the City Council, A. C. Paris, City Clerk, for the erection of a one-story garage building to be erected in the rear of the City Hall.

MODESTO, Stanislaus Co., Cal.—The M. G. West Company, 365 Market St., San Francisco, has been awarded the contract for metal furniture for the recorder's office at Modesto. Contract price, \$1,165.45.

Plans Being Prepared.  
NATATORIUM Cost, \$300,000  
LOS ANGELES, Fourth St., Bet. Vermont Ave. and New Hampshire St. Large natatorium.  
Owner—Dr. Elmer E. Stone.  
Architect and Contractor—Milwaukee Bldg. Co., Wright & Callender Bldg., Los Angeles.

Plans Being Figured. Bids Close Sept. 20, 1919.

ADMINISTRATION BLDG.  
Cost, \$500,000.  
LOS ANGELES, Cal. University Grounds.

Three-story brick and reinforced concrete administration building, 254 by 167.

Owner—University of Southern California.

Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

Bids are being taken separately on the general contract, structural steel, plumbing, heating, electric wiring and painting.

## RESIDENCES

Working Drawings Being Prepared.  
RESIDENCE Cost, \$35,000

SAN FRANCISCO, Bush Street E of Taylor Street.

Two-story Class "C" residence (10 rooms, operators' quarters and garage).

Owner—City and County of San Francisco.

Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.

Plans Being Figured.  
RESIDENCE Cost, \$10,000

SAN FRANCISCO, SE Palm and Euclid Avenues.

Two-story frame residence (7 rooms).  
Owner—Miss S. Simpson.

Architect—E. E. Young, 251 Kearny St., San Francisco.

Owner Taking Segregated Figures.  
RESIDENCES Cost, \$6,000 to \$8,000 each.

BERKELEY, Thousand Oaks.

Nine two-story frame residences (6 to 9 rooms each).

Owner—J. M. Booth, Claus Spreckels Bldg., San Francisco.

Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Construction will be started on the first one immediately.

Contract Awarded.  
RESIDENCE Cost, \$40,000

SAN FRANCISCO, NE Buchanan and Vallejo Streets.

Two-story brick and frame residence  
Owner—B. F. Schlessinger, Cr. Emporium.

Architect—Clarence Tantau, 519 California St., San Francisco.

Contractor—Walter Sorensen, 3219 Ellis St., Berkeley.

Plans Being Figured.  
RESIDENCE Cost, \$8,500

YUBA CITY, Sutter Co., Cal.

Two-story frame residence, garage and tank house.

Owner—C. K. Schnabel, New Castle.

Architect—Chester Cole, Chico, Cal.

Segregated Figures Being Taken.  
RESIDENCE Cost, \$6,000

SAN FRANCISCO, E Seventeenth Ave. 250 S Anza Street.

Two-story frame residence (7 rooms).  
Owner—W. Fisher.

Architect—C. O. Clausen, Hearst Bldg., San Francisco.

RESIDENCE Cost, \$30,000  
Segregated Figures Being Taken.

PIEDMONT, Alameda Co., Cal.

Two-story frame and brick residence (14 rooms and 5 bathrooms, separate garage with living quarters).

Owner—H. W. Harrold.

Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Plans Being Prepared.  
RESIDENCE Cost, \$11,000

MENLO PARK, San Mateo Co., Cal.

One-story and basement frame residence (8 rooms and separate garage.)

Owner—A. Enten.

Architect—S. Heiman, 57 Post Street, San Francisco.

NAPA, Napa Co., Cal.—More than \$25,000 has been subscribed by the Napa Home Building Corporation, recently formed to carry on a business of "erecting substantial homes and buying and selling same at the lowest possible cost." A. A. Chisholm of the Napa Chamber of Commerce is President of the Company.

Plans Being Figured.  
RESIDENCE Cost, \$5,500

SAN FRANCISCO, Plymouth Ave., Westwood Park.

One-story frame residence (6 rooms and basement garage.)

Owner—Withheld.

Architect—Miss Ida McCall, 318 Kearny St., San Francisco.

Plans Being Prepared.  
RESIDENCE Cost, \$—

SATICOY, Ventura Co., Cal. Near Saticoy.

Two-story hollow tile residence (9 rooms and 3 bathrooms.)

Owner—H. C. Sharp.

Architects—Hunt & Burns, 701 Laughlin Bldg., Los Angeles.

SAN FRANCISCO, Cal.—Architect Clarence Tantau, Clunie Bldg., is taking figures for the heating for the two-story and basement frame residence of B. F. Schlessinger at the northeast corner of Vallejo and Buchanan Sts., for which Walter Sorensen of Berkeley is the general contractor.

C. C. Severin was awarded the electric work; Frederick Snook Co., the plumbing and A. J. Neill, 193 Collingwood, the painting.

Plans Being Prepared.  
RESIDENCE Cost, \$—

HOLLYWOOD, Los Angeles Co., Cal.

Two-story and basement brick residence, 10 rooms, 3 bathrooms.

Owner—Not given.

Architect—Harwood Hewitt, 1130 Van Nuys Bldg., Los Angeles.

Preliminary Plans Being Prepared.  
RESIDENCE Cost, \$—

LOS ANGELES, Wilshire District.

Two-story brick residence, 15 rooms and 4 bathrooms, separate garage, etc.

Owner—Not given.

Architect—Harwood Hewitt, 1130 Van Nuys Bldg., Los Angeles.

Contract Awarded.  
RESIDENCE Cost, \$70,000

PASADENA, Los Angeles Co., Cal.

South Orange Grove Avenue.

Hollow tile residence.

Owner—A. J. Wigmore.

Architects—Reginald D. Johnson and Gordon E. Kaufman, 100 E. Colorado St., Pasadena.

Contractor—Petre Hall, 769 North Marengo Ave., Pasadena.

## SCHOOLS

Plans Being Figured. Bids Close Sept. 25, 1919, 4 P. M.

ADDITION Cost, \$—

NORTH SACRAMENTO, Cal. North Sacramento School District.

Two school additions.

Owner—North Sacramento School District.

Architect—A. W. Norris, 1013 10th St., Sacramento.

Plans and specifications are now on file and may be seen at the Builders' Exchange, 1013 10th St., Sacramento.

VALLEJO, Solano Co., Cal.—The Board of Education has purchased five lots on Carolina street between Colusa and Monterey streets with the intention of enlarging the school building in that block. As funds for the improvements are not available, construction will not be started for some time.

Contract Awarded.  
SCHOOL Cost, \$204,072

LONG BEACH, Los Angeles Co., Cal.

American Avenue.

Fireproof grade school.

Owner—Long Beach School District.

Architects—John C. Austin, 1125



Baker-Detwiler Bldg., Los Angeles and W. Horace Austin, 1st National Bank Bldg.  
Contractor—J. D. Sherer, 1400 Elm Ave., Long Beach.

F. E. Newbery Electric Co., 724 S. Olive St., Los Angeles, was awarded electrical work contract at \$4572.

Plumbing, heating and ventilating, and program clock bids were taken under advisement. Bids received for painting and tinting were rejected.

**FOWLER** Fresno Co., Cal.—September 18th is the date set to vote on the question of issuing and selling bonds of \$150,000 with which to finance construction of a new high school building for the Fowler Union High School District which includes the districts of Iowa, Horace Mann, and Magnolia.

Architects Allison & Allison, Hibernian Bldg., Los Angeles, are preparing the plans.

**Plans Being Prepared.**  
**SCHOOL** Cost, \$50,000  
**NEAR SAN FRANCISCO.** Bay District.

Reinforced concrete school.  
Owner—Withheld.  
Architect—Jas. A. Magee, 661 Phelan Bldg., San Francisco.

**BERKELEY.** Alameda Co., Cal.—Bids will be received by the Board of Education, Nellie L. Crowl, Secretary, 2133 Allston Way, Berkeley, up to September 30th, 4 P. M., for furnishing the necessary materials, tools and labor for the doing of certain Brick Work and Artificial Stone Work for the construction of alterations and additions at the Edison School, situated on the south side of Oregon street, between Grant street and McGee avenue, in accordance with plans and specifications on file in the office of Walter H. Ratcliffe, Special Architect, Room 21, First National Bank Bldg., Berkeley.

**Plans Being Figured.** Bids Close Sept. 29, 1919, 7 p. m.

**SCHOOL.** Cost, \$90,000  
**EL SEGUNDO.**  
Brick school buildings.  
Owner—El Segundo School District.  
Architect—Train & Williams, 226 Exchange Bldg., Los Angeles.

Practically all of the work will be included in one contract, separate bids being taken only for gas radiators, terra cotta vent pipes and motor fans, and for complete piping and sanitary equipment, electric motor pumps, etc., for the plunge.

**Plans Being Prepared.**  
**SCHOOL BLDGS.** Cost, \$117,000  
**ANAHEIM.** Orange Co., Cal.  
Two one-story hollow tile grammar school buildings.  
Owner—Anaheim School District.  
Architects—Jeffery & Schaefer, 1106 Kerckhoff Bldg., Los Angeles.

**Plans to be Ready for Figures in About Two Weeks.**

**SCHOOL.** Cost, \$—  
**BERKELEY.** Alameda Co., Cal. Thousand Oaks.  
One-story hollow tile school building.  
Owner—City of Berkeley.  
Architect—W. C. Hays, 1st National Bank Bldg., San Francisco.

**Plans Completed.**  
**ADDITION** Cost, \$125,000  
**SEATTLE.** Wash. Third Avenue N. W. and W. 80th St.

Two-story and basement fireproof school addition (10 class rooms, 162x12).

Owner—City of Seattle (Greenwood School).

Architect—F. A. Naramore, School Architect, Seattle, Wash.

**Commissioned to Prepare Plans.**  
**SCHOOL** Cost, \$150,000 or more.

**GRASS VALLEY.** Nevada Co., Cal. Lowrey Tract, bet. Auburn and Marshall Streets.

One and two-story concrete or brick high school building.

Owner—Grass Valley High School District.

Architects—Wm. Mooser and Horace B. Simpson, Associated, Nevada Bank Bldg., San Francisco.

**Plans Being Figured.**  
**SCHOOL** Cost, \$—  
**LOS ANGELES.** 47th and Main Sts.  
Two-story and basement brick Parochial school building (12 rooms.)  
Owner—Holy Cross Catholic Church.  
Architect—A. B. Benton, 114 N-Spring St., Los Angeles.

**Plans Being Figured.** Bids Close Sept. 15, 1919, 9 A. M.

**SCHOOL** Cost, \$50,000  
**CALIXICO.** Imperial Co., Cal.  
One-story 9-room fireproof school building.

Owner—Calixico School District.  
Architect—Samuel B. Zimmer, El Centro, Calif.

Bids will be taken separately on the general contract and for plastering. Certified check or bid bond for 5% required with each bid. C. B. Moore, Clerk.

**Contract Awarded.**  
**SCHOOL** Cost, \$24,877  
**LITTLE LAKE.** Los Angeles Co., Cal.  
Hollow tile school (all work, except plumbing.)  
Owner—Little Lake School District.  
Architects—Allison & Allison, Hibernian Bldg., Los Angeles.  
Contractor—A. Schliem, Riverside.

**YUBA CITY.** Sutter Co., Cal.—The Supervisors have sold the \$8,000 bond issue of the Nicolaus School District. Proceeds of the sale will finance the construction of a new school building.

**CHICO.** Butte Co., Cal.—L. Van Vlack, Chico, who recently secured the contract at \$15,575 for the construction of sanitary systems for six of the school buildings, has been allowed to withdraw from his contract owing to his inability to secure bondsmen. On recommendation it was voted to allow Van Vlack to proceed with the system at the Chapmanton and the Nord avenue schools under the day labor plan, the work not to exceed \$3,300 in cost.

New bids for the balance of the work will be called in the near future. Plans were prepared by Architect Chester Cole of Chico.

**GRASS VALLEY.** Nevada Co., Cal.—The Board of Education has accepted the gift of the Lowrey Tract, between

Auburn and Marshall streets, as the site for the proposed new high school building.

The selection of an architect to prepare plans for the new structure will be made by the Board in the near future.

**BERKELEY.** Cal.—The following contracts were awarded by the Board of Education of the City of Berkeley for the construction of additions to four schools as follows:

**John Muir School. Frame Addition.**

Jas. W. Placheck, Architect.

Excavating, Concrete, Etc.

Jepsen Bros. \$10,670

**Carpentry, Etc.**

Mathew Morton \$47,777

**Plastering.**

Wm. Makin \$5,893

**Painting.**

Jas. Cahill & Co. \$3,100

**Plumbing.**

F. W. Snook & Co. \$4,257

**Tile Work.**

Scott Co. \$398

**Electrical Work.**

Kings Electrical Co. \$1,657

**Heating and Ventilating.**

W. K. Nottingham \$14,133.30

**Francis Willard School. James W. Placheck, Architect.**

**Carpentry, Glass and Glazing, Sheet Metal and Iron.**

C. D. Vezey \$31,357

**Plastering.**

William Makin \$5,485

**Plumbing.**

J. E. O'Mara \$3,673

**Tile Roof.**

Gladding, McBean & Co. \$3,260

**Tile Work.**

Rigney Tile Co. \$837

**Electrical Work.**

B. T. White \$713

**Heating and Ventilating.**

Scott Co. \$5,476

**Edison School. One-story Brick Addition. W. H. Ratcliff Jr., Architect.**

**Carpentry.**

C. Christensen & Son \$21,864

**Plastering.**

Geo. Dixon \$850

**Painting.**

D. Zelinsky & Co. \$1,720

**Plumbing.**

F. W. Snook & Co. \$4,385

**Electrical.**

Kings Electrical Co. \$745

**Heating.**

Scott Co. \$2,991

**Tile Work.**

Rigney Tile Co. \$2,297

**Burbank School. W. H. Ratcliff Jr., Architect.**

**Carpentry, Glass and Glazing, Sheet Metal and Iron.**

S. J. Bertelson \$30,950

**Plastering.**

Geo. Dixon \$2,987

**Plumbing.**

Eugene Erhart & Son \$3,418

**Tile Work.**

Robert Howden \$2,158

**Electrical Work.**

Berkeley Electrical Co. \$845

**Heating and Ventilating.**

Scott Co. \$4,479

## STORES AND OFFICES

**Plans Being Prepared.**  
**DEPARTMENT STORE** Cost, \$100,000  
**BARKERSFIELD.** Kern Co., Cal. Chester Ave. and 29th St.

Three-story and basement reinforced concrete department store building, 132x115.

Owner—Conklin-Brodek Estates.  
Lessee—Hochheimer & Co.  
Architect—Orville Clark, 414 Browser Bldg., Bakersfield, Cal.

Plans Nearing Completion.  
DEPARTMENT STORE  
Cost, \$100,000.

MODESTO, Stanislaus Co., Tenth St., adjoining County Board of Trade Building.

Two-story and basement (with mezzanine) reinforced concrete and brick department store, 140x100.

Owner—The Thompson Co., Directors J. A. Dun and W. A. Neil of Modesto and E. J. O'Brien and John A. Walker of Los Angeles.

Architects—Walker & Eisen, Hibernian Bldg., Los Angeles, Cal.  
(29845) 1st report Aug. 30, 1919.

Plans Being Prepared.  
OFFICE BLDG. Cost, \$1,000,000  
SALT LAKE CITY, Utah.  
Twelve-story Class "A" office building, 100x115.

Owner—Withheld.  
Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

Plans Being Prepared.  
STORE BLDG. Cost, \$750,000  
SACRAMENTO, Cal. Sixth and "K" Streets.

Twelve-story and basement steel and concrete store building.

Owner—John Brunner Co., 604 "K" St., Sacramento.  
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

Plans Being Prepared. To be Done by Day Labor.  
STORE BUILDING Cost, \$—  
RICHMOND, Contra Costa Co., Cal. Macdonald Avenue.  
One-story brick store building.  
Owner—Withheld.  
Architect—J. T. Narbett, 910 Macdonald Ave., Richmond.

**PLUMBING CONTRACT AWARDED.**  
SAN FRANCISCO.—Contractors Barrett & Hilp, Sharon Bldg., are taking figures for the electrical work on the addition to Livingston building at Geary street and Grant avenue.

W. F. Wilson, 328 Mason St., has been awarded the contract for the plumbing. Plans were prepared by Architect G. A. Lansburgh.

Segregated Figures Being Taken.  
MARKET BLDG. Cost, \$50,000  
SAN FRANCISCO. SE Courtland Ave. 58 S. Moultrie St.

One-story reinforced concrete and frame market building.

Owner—John Battaglia.  
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Contract Awarded. Sub-figures to be Taken.

OFFICE & STORE BLDG. Cost, \$500,000 approximately.  
FRESNO, Fresno Co., Cal. "J" and Fresno Streets.

Twelve-story Class "A" office and store building, 50x150.  
Owner—A. Mattel, 202 "T" St., Fresno.  
Architect—Eugene Mathewson, Cory Bldg., Fresno.

Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

The contract for wrecking the buildings on the site has been awarded to the United Wrecking Co.

There will be a power and water plant independent of city service.

Plans Being Prepared.  
OFFICE BUILDING Cost, \$100,000  
SAN FRANCISCO. N Pine St., bet. Front and Davis, W of Oceanic Building.

Two-story and basement Class "A" office building (frame to be strong enough for 6 additional stories) 87½ foot frontage.

Owner—Ames-Harris Neville Co., 100 Potrero Ave., San Francisco.

Architect—J. R. Miller, Lick Bldg., San Francisco.

The entire first floor will be used for offices of the owners.

Contract Awarded.  
POST OFFICE Cost, \$9,945  
SAN FRANCISCO. NW Masonic Ave. and Haight Street.

One-story brick branch post office with frame "L"

Owner—Sol Goldberg.  
Architect—S. Heiman, 57 Post St., San Francisco.

Contractor—John Spargo, 240 Montgomery St., San Francisco.

Other bids received were:  
J. Harold Johnson.....\$10,230  
Val Franz & Son.....10,435  
Ruegg Bros. ....10,979  
A. D. Collman.....11,862  
Duncan & Co.....12,141  
Thos. Cavanaugh.....12,385

Contract Awarded.  
STORE BLDG. Cost, \$11,000  
SANTA ROSA, Sonoma Co., Cal. 4th Street and Exchange Avenue.  
One-story brick and reinforced concrete store building (3 stores).  
Owner—Santa Rosa Savings Bank.  
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.  
Contractor—W. L. Proctor, 1000 Spring St., Santa Rosa.

## THEATRES

Plans to be Prepared.  
THEATRE Cost, \$—  
SAN FRANCISCO. No. 3350 Mission St., near 29th (Lyceum Theatre).  
One-story Class "A" motion picture theatre.

Owner—Withheld.  
Architects—Reid Bros., 105 Montgomery St., San Francisco.

Contract Awarded.  
MOTION PICTURE PLANT  
Cost, \$250,000.

LOS ANGELES, Cal. Santa Monica Blvd. and La Brea Ave.  
Frame motion picture plant.

Owner—Jess D. Hampton Productions Company.  
Architect and Contractor—Milwaukee Bldg., Co. 315 Wright & Callender Bldg., Los Angeles.

Contract Awarded.  
MOTION PICTURE STUDIO  
Cost, \$150,000.

EAST LOS ANGELES, Los Angeles Co., Cal.  
Frame motion picture studio plant.

Owner—W. S. Selig.  
Lessee—Louis B. Mayer.

Architect and Contractor—Milwaukee Bldg., Co. 315 Wright & Callender Bldg., Los Angeles.

# Pacific PIPE

## SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

**PACIFIC PIPE CO.,**  
232 Main Street San Francisco

Plans Being Prepared. Contract Awarded.

THEATRE Cost, \$200,000  
PASADENA, Los Angeles Co., Cal. North Raymond Ave. N of Holly St.

Reinforced concrete and hollow tile theatre building, 103x175.

Owner—Pasadena Theatre Co.  
Architect—Cyril Bennett, 313 Kendall Bldg., Pasadena, Cal.

William C. Crowell, 440 Chamber of Commerce Bldg., is one of the directors of the company and will erect the building.

## Engineering

### BRIDGES, DAMS & HARBOR WORK

SAN ANDREAS, Calaveras Co., Cal.—No bids were received by the County Supervisors for the construction of the proposed reinforced concrete bridge at O'Neill's Crossing on the Bellota-Valley Springs Road and the Clerk was instructed to call for new bids to be opened on October 6th, 1:30 P. M.

Bids will also be opened on the same date for the reconstruction complete of the so-called Donnellan "Bridge" crossing the Calaveras River on the highway between the towns of San Andreas and Mokelumne Hill. Lumber and all material used in the reconstruction is to be furnished by the County of Calaveras.

Plans and further information may be had from A. W. Poe, County Clerk at San Andreas.

LOS ANGELES, Cal.—The United Dredging Co., 325 Central Bldg., Los Angeles, submitted the lowest bid at approximately \$806,750 for constructing silt diversion works near Long Beach and Los Angeles harbors. The Foundation Co. of New York, submitted the next lowest bid at approxi-

mately \$842,900. The bids do not include freight on the rock for revetments and jetties, which will be paid by the U. S. Government, which is doing the work. The United Dredging Co., proposed to get its rock from the Delez quarry and the Foundation Co. from the Temescal quarry. As the former quarry is the nearer the United Dredging Co. will retain the advantage of being the low bidder and it is expected a contract will be awarded as the price is within the government appropriation. Col. Downing, U. S. district engineer, will forward his report and recommendation to the Board of Engineers at Washington at once.

One bid mailed in time to have reached Los Angeles before the opening on August 30 was received and considered. It is for part of the work only as follows:

Fred C. Franks Contracting Co., San Francisco—Div. B alone: 35c cu. yd.; \$2.38 ton. Divs. A and B together: 86½c cu. yd.; \$2.25 ton. (2806) 1st report June 14; 5th Sept.

NAPA, Napa Co., Cal.—Bids will be received by the County Supervisors, James A. Daley, County Clerk, up to September 22nd, 10 A. M., for the construction of a reinforced concrete bridge across Milliken Creek on the Foss Valley Road. Plans may be had from the County Clerk at Napa.

WILLOWS, Glenn Co., Cal.—Materials are on the ground and work will be started shortly by Contractor F. H. Nelson of Orland on the proposed concrete bridge to span Stony Creek at Winslow. The structure will consist of one span and will be 112 feet in length and will rest on stone abutments on both sides. The estimated cost is \$24,000. Plans were prepared by County Surveyor Bayard Knock.

RED BLUFF, Tehama Co., Cal.—Bids will be received by the County Supervisors, H. G. Kuhn, County Clerk, up to October 2nd, 10 A. M., for the construction of a reinforced concrete bridge across Dry Creek, on the route of the East Side State Highway, in Road District No. 3.

BAKERSFIELD, Kern Co., Cal.—Until October 6, bids will be received by the County Supervisors for constructing a cedar pile bridge 7 feet long and 20 feet wide over the Miller & Lux outlet canal, 34 miles southwest of Bakersfield.

PETALUMA, Sonoma Co., Cal.—The City Council has awarded a contract to Schlunegger Bros., Santa Rosa, for the construction of the new bridge across Thompson Creek in Fourth street. The following is a complete list of the bids received:

	Bid	Cu. Yd.	for extras
Call Constr. Co.....	4862	19.00	
T. Souker .....	\$4950	\$31.00	
W. J. Proctor.....	4443	17.00	
Schlunegger Bros. ....	3413	22.00	
W. Dontaville .....	1149	28.50	
Jno. Rocca .....	3590	20.00	
D. E. Albers .....	4700	15.00	
C. H. Gildersleeve.....	4497	30.00	
L. C. Lamber.....	4855	26.00	

SEATTLE, Wash.—County Engineer Sam Humes has recommended to the

King County Commissioners a bond election for \$3,000,000 with which to finance the construction of bridges.

SACRAMENTO, Cal.—Revised plans for the proposed Mawson bridge have been presented by the Sutter County Supervisors to the State Reclamation Board for approval. The plans will be considered at the meeting of September 11th.

The original plans were not approved for the reason that provisions were not made for placing the piers far enough to meet flood conditions in the slough during the winter period.

REDDING, Shasta Co., Cal.—Owing to the financial condition of the county bridge funds, the Supervisors have decided to abandon proceedings providing for the construction of the Millville bridge, bids for which were received a short time ago. Repairs to the present structure will be made by County Engineer Wiegell, who estimates the work to cost about \$500.

REDDING, Shasta Co., Cal.—Bids will be received by the County Supervisors, S. N. Witherow, County Clerk, up to October 8th, 10 A. M., for the construction of the following reinforced concrete wagon bridges in Shasta County:

- 1 Reinforced concrete bridge across Grizzly Gulch.
- 2 Reinforced concrete bridge across Whiskey Creek.

Said bridges being on Division 2, Route B, Redding and Tower House lateral.

Plans Being Figured. Bids Close Sept. 23, 1915, 11 A. M.

SCHOOL. Cost, \$—  
HERMOSA BEACH, Los Angeles Co., Cal. Pier Avenue.  
One and two-story brick school building.

Owner—Hermosa Beach City School District.  
Architect—Herbert C. Howard, 619 Broadway Central Bldg., Los Angeles.

Bids will be received for the different parts of the work separately as follows: (1) for the general work; (2) for the plumbing, drainage, sewerage and gas fitting; (c) for electric wiring; (d) for heating and ventilating; (e) for electric lighting fixtures; (f) for painting.

REDDING, Shasta Co., Cal.—The County Supervisors have released F. A. Zimmerman from his contract for the construction of the Whiskey Creek Bridge at \$1,100 owing to a mistake in submitting his bid. New bids were ordered received for the structure up to October 1st.

Bids were also ordered received on the same date for the construction of a bridge across Grizzly gulch on the Redding-Tower House lateral. Plans and further information may be had from the County Clerk.

SACRAMENTO, Cal.—The following bids were received and rejected by the State Reclamation Board on September 11th, for the construction of reinforced concrete revetment upon portions of

of Turlock.  
the levees of the Sacramento By-pass together with toe walls and toe aprons.

This work will be located at the Eastern end of the Sacramento By-pass, near the west bank of the Sacramento River in Yolo County, about three miles up-stream from the City of Sacramento.

The bid of Cotton Macaulay Co., 16 California St., San Francisco, was accepted, but the company asked to withdraw their bid on account of an error of approximately \$6,000.

New bids will be received until September 16th, 1915.

Cotton-Macaulay ..... \$40,758.48  
Ross Constr. Co..... 49,153.33  
Healy-Tibbitts Constr. Co..... 54,715.25  
L. S. Atkinson Jr..... 57,653.35

Plans, specifications and all other desired information, can be secured at the office of the State Reclamation Board at the address given below.

STATE RECLAMATION BOARD,  
835 Forum Bldg., Sacramento, Cal.

VISALIA, Tulare Co., Cal.—The County Supervisors have awarded two contracts for bridges to Edgar Noble, 707 W-Mineral King Ave., Visalia, he being the only bidder. The structures are reinforced concrete bridge over South Fork of Kaweah River at \$2,550, and reinforced concrete bridge over Yokohl Creek near Merryman at \$1,844.70.

OAKLAND, Cal.—The District Attorney will shortly render an opinion as to the authority of the County Supervisors to pay the cost of repairing and enlarging the concrete bridge over the San Leandro Creek on East Fourteenth street. If a favorable opinion is given plans for the work will be ordered.

The San Leandro Trustees recently requested the Supervisors to appropriate funds for the work.

NEWPORT BEACH, Orange Co., Cal.—Seven bids for harbor improvement work at Newport Beach were received by the Orange County Harbor Commission at Santa Ana on September 3, and were referred to the harbor engineers, Leeds & Barnard, Central Bldg., Los Angeles, for tabulation and report. Bonds to the amount of \$500,000 have been voted. Indications are the bids are in excess of the amount, although it remains to be determined to what extent alternate proposals may avail on the project. Bids were taken separately on seven segregations of the work, as follows: Extension of existing jetty, jetty at new mouth of Santa Ana river, earth fill dam at Bitter Point, excavation for new mouth of Santa Ana river, dredging channel in harbor, dredging channel over bar, building wharf and warehouse and building spur railroad track. Following are the unit bids:

W. M. Ledbetter Co., Los Angeles—  
Rip rap, jetty extension, \$3.67 ton per 20,000 to 25,000 tons; \$137, 15,000 to 20,000 tons; new jetty, \$3.07, 20,000 to 30,000 tons; \$3, 30,000 to 35,000 tons; \$2.93, 35,000 to 40,000 tons; \$285, 40,000 to 45,000 tons, \$2.79, 45,000 to 50,000 tons; estimates based on \$1 ton freight from quarries. Earth fill dam at Bitter Point, 80c cu. yd.; excavation new mouth Santa Ana river, 80c cu. yd.; creosoted piling, \$1.04 lin. ft.; untreated round piling, 61c lin. ft.; sheet piling, \$125 per M ft. B. M.; all

timber in deck of wharf, \$85 per M. ft.; steel frame and corrugated iron warehouse, \$6400; plain concrete, \$18 cu. yd.; spur track, \$7.50 lin. ft.; switches, \$500 each.

Ross Construction Co., Sacramento—Earth fill dam at Bitter Point, 36.4c cu. yd.; excavation new mouth of Santa Ana river, 36.4c cu. yd.

Los Angeles \* Dredging Co.—All dredging, 12.47c cu. yd.

Mercereau Bridge & Construction Co., Los Angeles—Wharf, creosoted piling, \$112 lin. ft.; untreated round piling, 62½c lin. ft.; sheet piling, \$85.10 per M. ft.; deck structure, \$73.37 per M. ft.

United Dredging Co., Central Bldg., Los Angeles—Jetty extension, \$2.50 ton new jetty, \$1.80 ton; prices not including freight, \$1 to \$1.20 ton; rock from Declez quarries. Dam at Bitter Point, 50c cu. yd.; excavating new mouth Santa Ana river, 25c cu. yd.; dredging channel Newport bay, 12½c cu. yd.; dredging channel over bar, 25c cu. yd. Wharf, untreated piling, \$36.368 (44c lin. ft. piling, \$66.50 per M for lumber); wharf, creosoted piling, \$45.798 (85c lin. ft. piling and \$66.50 for lumber). Warehouse Plan No. 1—steel frame and corrugated iron with louvers, \$6137; alternate bid, end ventilators, \$5687. Plan No. 2—\$6519; using Armco iron, \$6664. Plan No. 3—\$7370; using Armco iron, \$7515. Plan No. 4, \$7850; using Armco iron, \$7700. Prices do not include foundation or floor. Lumber for warehouse adjacent to wharf, \$66.50 per M; piles 64c lin. ft.; plain concrete, \$15 cu. yd.; spur track, \$3 lin. ft.; switches, \$400 each.

Alternate proposal: Bar dredging, for each reduction of 25,000 down to 200,000 cu. yds. increase price 1c cu. yd.; channel dredging, each reduction of 100,000 down to 1,200,000 cu. yds., increase price ½c cu. yd.; river outlet jetties, each reduction of 1000 down to 15,000 tons, increase price 3c ton; excavating new mouth Santa Ana river, each reduction of 10,000 down to 20,000 cu. yds., increase price 1c cu. yd.; alternate design for wharf, plan to be submitted, lump sum, \$25,000; alternate design for track, reducing cost by \$3000.

San Francisco Bridge Co.—Dredging channel in bay, 17.6c cu. yd.; over bar, 30c cu. yd.

Union Iron Works, Los Angeles—(No check accompanying bid) warehouse, with louvers, \$6137; end ventilators, \$5685.

OROVILLE, Butte Co., Cal.—T. H. Polk, Chico, has been awarded a contract by the Supervisors for the construction of the concrete bridge near the Warren Green place on his bid of \$7,575.

MARTINEZ, Contra Costa Co., Cal.—After considering the recommendations of F. E. Quail, County Surveyor of San Joaquin County, the Contra Costa County Supervisors have decided to pay half the cost of re-planking the Old River Bridge, the other half to be paid by San Joaquin County. This work will cost between \$1,200 and \$1,300. J. H. Wells is County Clerk at Martinez.

MARTINEZ, Contra Costa Co., Cal.—Plans prepared by County Engineer Ralph R. Arnold for the construction

of two bridges located, 1 on San Pablo Creek on Road No. 21, between Stations 63x1 and 64x98 of Division No. 15, the other, on Wild Cat Creek on Road No. 15 between Stations 42x20 and 42x70 of Division No. 15 of County Highway, have been adopted and bids for construction have been ordered received up to October 6th, 11 A. M. Plans may be had from County Clerk J. H. Wells.

SAN RAFAEL, Marin Co., Cal.—An election will be held in Sanitary District No. 1, Marin County, September 15th, to decide on the re-organization of the District under the provisions of an act of the State Legislature entitled "An act to provide for the formation, government, operation, re-organization, dissolution and alteration of boundaries of sanitary districts in any part of the state, for the construction of sewers, septic tanks, and other sanitary disposal of sewerage matter, etc." J. E. Manning is Secretary of the District.

HANFORD, Kings Co., Cal.—The County Supervisors have awarded a contract to the Cotton-McCauley Co., 16 California Street, San Francisco, for the construction of the concrete bridge over Kings river south of Kingsburg on their bid at \$31,512.

The cement will be furnished by the county, it having been purchased through the office of Fred Cutler, County Purchasing Agent.

MODESTO, Stanislaus Co., Cal.—The County Supervisors have decided to spend \$90,000 for the construction of bridges, culverts and syphons during the year 1919-1920, according to the recommendations of County Engineer J. H. Hoskins. The program adopted by the County Supervisors follows:

#### Road District No. 1.

Bridge on Eugene-Knights Ferry road, half mile southeast of Eugene. Bridge on Eugene-Knights Ferry road 1.1 miles southeast of Eugene.

Bridge over Modesto Irrigation District main canal on Paulsell road, half mile north of Waterford.

Bridge over branch of Dry Creek on Waterford-Paulsell road, five miles north of Waterford.

Bridge over branch of Dry Creek two miles west of Warnerville.

Bridge over branch of Dry Creek one mile west of Warnerville.

Bridge on Waterford-La Grange road at the foot of Rariden Hill, 5¼ miles east of Roberts Ferry.

#### Road District No. 2.

Bridge over Peaslee Creek on Hickman-La Grange road, near Lafayette school.

Bridge over Turlock Irrigation District Lateral No. 3 half mile east of state highway.

Bridge over T. I. D. lateral No. 4, half mile north of Washington school.

Bridge over T. I. D. lateral No. 5, two miles west and two miles south of Turlock.

Bridge over T. I. D. lateral No. 5, one mile west and two miles south.

Bridge over Turlock main canal on the East Turlock road, 2¼ miles from Turlock.

#### Road Districts No. 3 and 4.

Bridge over Modesto Irrigation Dis-

trict lateral No. 4, on Maze avenue.

Bridge over M. I. D. lateral No. 3, on Carver road.

Bridge over M. I. D. lateral No. 4, on Virginia avenue at the Modesto city limits.

Bridge on Church road, quarter mile north of Highway at Empire.

#### Road District No. 5.

Bridge on Sycamore avenue over El Salado Creek at Patterson.

Bridge on Sycamore avenue over Patterson main canal.

Bridge over El Salido Creek one mile west of Patterson.

Bridge over a dry slough on Newman-Hills Ferry road, ¾ miles from Newman.

## IRRIGATION WORK

MADERA, Madera Co., Cal.—Preliminary steps for the formation of the Madera Irrigation District have been taken according to E. M. McCordle, attorney for the district and petitions are being signed up successfully.

Complete working drawings for the necessary construction are now being completed by Engineer Louis C. Hill, Hollingsworth Bldg., Los Angeles.

DANVILLE, Contra Costa Co., Cal.—Preliminary steps for the formation of the proposed Danville Irrigation District were taken when Harold R. Kelly was elected as director and Alex G. Bell selected as Secretary-Treasurer.

At a recent meeting the preliminary plans for the district were presented by Engineer Stephen E. Kleffer, 57 Post St., San Francisco, and met with approval. The plans call for the construction of an earthen dam 92 feet high impounding sufficient water of the winter flood for 1500 acres of land. Concrete lined canals, including the dam, are estimated to cost \$224,000, this being the preliminary estimate.

After a legal formation, a bond issue will be called to secure funds to finance construction.

OROVILLE, Butte Co., Cal.—State Engineer W. F. McClure has notified the Butte County Supervisors that he has approved the petition of Carlton Gray, F. F. Ford and others for an irrigation district to be known as the Oroville-Wyandotte Irrigation District.

The district will comprise about 16,000 acres. With the construction of the canals, ditches and laterals the petitioners will be possible and the petitioners will immediately proceed to complete all plans necessary for the installation of the system.

## LIGHTING SYSTEMS

PETALUMA, Sonoma Co., Cal.—The City Council has awarded a contract to Bauer & Baugh, 156 Main St., Petaluma, for the installation of the electric trolley system in Kentucky street at \$1,400. The only other bidder was the Newbery Electric Co., at \$1,695.

## MACHINERY

SAN LEANDRO, Alameda Co., Cal.—The City Trustees have abandoned their intention to purchase a steam roller for use in the City Street Department.

SAN ANDREAS, Calaveras Co., Cal.—The Supervisors have awarded a contract to the American Laundry Machinery Co., of San Francisco, for furnishing the following machinery for use in the County Hospital:

One 32x18 Ideal, Style "A" wood washer, single gear galvanized trimmings—End header, \$317.  
One 30x12 American Junior drying tumbler with galvanized cylinder—Reverse header, \$716.

One 24-in. Extractor, with safety cover, self-balancing device, automatic spindle, oiling device and belt tightener—Angle countershaft, \$404.

One No. 11111 Hagen double chest, single roll flat-work ironer—Equipped with ribbon feed, \$709.

The only other bidder was the Troy Laundry Machinery Co., of San Francisco.

LOS ANGELES, Los Angeles Co., Cal.—Until 3 P. M., September 23, bids will be received by the Board of Public Service, Knickerbocker Bldg., for one motor-driven triplex pump, in accordance with specifications No. P-209, on file in the office of the Board. Jas. P. Vroman, Secretary.

BERKELEY, Alameda Co., Cal.—On recommendation of City Engineer C. L. Huggins, the City Council has awarded a contract to the Spears-Wellis Machinery Co., 241 12th St., Oakland, at \$1,300 for furnishing and delivering one road plane for use on the city streets.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

COLUSA, Colusa Co., Cal.—The Clark & Henery Construction Co., Ochsen Bldg., Sacramento, has been awarded a contract by the City Trustees for the improvement of the following streets and alleys: Main St. from a line 160 feet west of Fourth St. to Eighth St.; Fifth St. from the N line of Maine St. to the S line of the alley running E and W bet. Main and Levee Sts., and from the N line of said alley running E and W to a line parallel with and 20 feet S of the S line of Levee St.

Sixth St. and Seventh St., each from Market St. to the S line of the alley running E and W bet. Market and Main Sts., and from the N line of said alley running E and W, to the S line of Main St., by grading, construction of concrete curbs and gutters and laying a bitulithic pavement consisting of a hydraulic concrete base 4 inches thick and a bitulithic wearing surface 2 inches thick; also the improvement of the alley bet. Market and Main Sts. from Sixth St. to Seventh St., by grading and laying a bitulithic pavement consisting of a hydraulic concrete base 4 inches thick and a bitulithic wearing surface 2 inches thick. (28792) 1st report Aug. 28, 1919. E

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have awarded a contract to the Clark & Henery Construction Co., Ochsen Bldg., Sacramento, for the improvement of Freeport Boulevard from the south line of Second avenue to the alley first south of Third avenue, by

construction of concrete curbs and gutters, 6 feet in width and 3½ inches thick; concrete sidewalks; placing 8 cast iron gutter drains with 6-inch vitrified ironstone sewer elbows and connecting same to sewer and the construction of 2 concrete manholes with cast iron curbs and covers.

J. W. Terrell, 1111 29th St., Sacramento, was awarded the contract for the improvement of the alley between Portola Way and Fifth avenue, from the east line of 24th to the west line of 27th street, by excavating a trench and constructing therein an 8-inch vitrified ironstone pipe sewer with 58 6-inch vitrified ironstone Y branches attached; construction of 3 concrete manholes with cast iron curbs and covers; placing 2 6-inch vitrified ironstone Y branches and backfilling the trench.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has adopted plans and bids will be called in the near future for the improvement of Yale and Cambridge avenues from the east line of Maroa avenue to the west line of College avenue by grading; constructing cement concrete gutters and paving with an asphalt concrete base, 2½ inches thick and a bitulithic wearing surface 1½ inches thick.

OAKLAND, Cal.—The County Supervisors have received a petition from the Board of Trustees of San Leandro asking that they provide funds for the improvement of East Fourteenth street as this is the main highway through the county.

DAVIS, Yolo Co., Cal.—The City Trustees have instructed the City Attorney to prepare the necessary papers calling a bond election with which to finance construction of a modern water system, the estimated cost of which is \$71,000 according to the report of Engineer Galloway, who has been instructed to prepare working drawings for the work.

The proposal of the local water company to sell the city its plant for \$16,000 was rejected.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees have granted permission to M. A. Lopes, San Leandro, to construct sidewalks in Estudillo avenue from East Fourteenth street to Santa Clara, he having secured the signatures of the property owners at \$40 for each 50 ft. front lot.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees, R. H. Goodwin, City Engineer, have awarded a contract to M. A. Lopes, San Leandro, for the improvement of Parrott street on his bid of \$9,438. R. E. Burgund of Oakland submitted a bid of \$9,842.21.

HANFORD, Kings Co., Cal.—The County Supervisors are considering the petition asking the formation of Sewer District No. 2. It is planned to construct a modern sewer system when the district has been legally formed.

E. P. Pickerrill is County Clerk.

SAN RAFAEL, Marin Co., Cal.—The County Supervisors are considering the calling of an election to vote bonds of \$1,625,000 with which to finance construction of a county highway system.

In general the issue will provide funds for the following roads:

1 A west side road from Willow Camp to the county line at Valley Ford. Three connecting roads between the State Highway and the west side highway as follows:

2 Manzanito or Mill Valley to Willow Camp.

3 San Anselmo to Point Reyes, and from

4 Union School to Tomales.

5 Main inter-road from Point Reyes to Union School at County line.

6 Wilson Hill to Junction Novato, Hicks Valley road.

Rob E. Graham is County Clerk.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees have taken under advisement the estimate of City Engineer R. H. Goodwin, for the construction of a storm sewer in Alvarado street, from Saunders to the Creek. Goodwin estimates the sewer will cost \$12,000.

The following bids were received by the San Francisco Board of Public Works for the construction of a storage spur track in Polk street between Geary and Post streets for the Municipal Railway.

C. B. Eaton (low).....\$3,800  
Crocker, Blanchard & Howell 3,995  
Healy-Tibbitts Constr. Co... 3,912

For the construction of a sewer in Euclid avenue from Parker avenue to Palm avenue the following bids were received:

Thos. B. Harney.....\$7,748.76  
Hickey & Harmon..... 9,373.45

SACRAMENTO, Cal.—The following bids were received by the State Highway Commission for highway improvement in three counties:

Tulare County, between Visalia and Fulghams Corners (VI-Tul-4-D and 10-B), about 1.5 miles in length to be surfaced with asphalt.

Federal Constr. Co., Call Bldg., San Francisco, \$21,870.

Engineer's Estimate, \$17,575.

Placer County, between Auburn and Northerly Boundary (III-Pla-17-C), about 6.6 miles in length to be paved with Portland cement concrete.

A. J. Fairbanks, Willits, \$104,256.

Engineer's Estimate, \$81,206.50.

Amador County, between One and Jackson (III-Ama-34-B), about 10.7 miles in length to be graded.

T. M. Olney, 358 Vernon St., Oakland, \$66,469.

W. A. Schmid, Berkeley, \$95,385.

A. J. Fairbanks, Willits, \$110,747.50.

Engineer's Estimate, \$62,332.20.

SACRAMENTO, Cal.—The County Supervisors have awarded a contract to D. C. Howard, 311 California National Bank Bldg., Sacramento, for the paving of the Placerville road from Mills Station to a point about 6 miles east, the bid being 5½ cents per square foot.

BRAWLEY, Imperial Co., Cal.—Construction work on the Brawley-Indio road will be resumed by the state highway commission by force account about October 1. The pavement will be 15 feet in width instead of 8 feet as originally planned.

The improvement of Thirty-eighth avenue between Geary and Anza Sts. by grading; construction of concrete curbs; a 7-foot strip of vitrified brick pavement; an asphalt pavement; artificial stone sidewalks, etc.

Awarded to Clarence B. Eaton, 407 11th St., San Francisco.

#### AND STREET WORK AWARDED.

**HILLSBOROUGH,** San Mateo Co., Cal.—Chas. J. Lindgren, El Cerrito, San Mateo, has been awarded a contract at \$3,717 by the Town Trustees of Hillsborough for the following work:

(1) Protecting the existing bridge on Pepper avenue near Ralston avenue by constructing a retaining wall, etc.

(2) Protecting the existing bridge on Hillsborough Boulevard near Ralston avenue by the construction of a concrete pavement.

(3) Protecting the roadway of Hillsborough Boulevard between Parkside and Ralston avenues by the construction of two retaining walls along the creek.

(4) Constructing concrete gutters along certain portions of certain of the roadways of Hillsborough.

**BERKELEY,** Alameda Co., Cal.—The City Council has passed a resolution appropriating \$1,400 to cover the cost of re-gardening, curbing and guttering, paving with asphalt and the construction of cement concrete sidewalks at Bancroft Way and College Avenue.

**OKLAND,** Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of portions of Hopkins street, 35th and 38th avenues, Kanning and Kansas streets, by grading, construction of concrete curbs and gutters and paving with oil macadam, installation of corrugated iron culverts, vitrified pipe conduits, brick manholes with C. I. curbs and covers, sidewalks and the construction of a concrete wall.

**LOS ANGELES,** Los Angeles Co., Cal.—W. D. McCray, 424 American Bank Bldg., Los Angeles, submitted the lowest bid for grading and paving Coast Blvd. between the east and south boundaries of the city just north of Santa Monica at \$14,200 lump sum for grading and 19½ sq. ft. for paving. A 4-in. concrete pavement 20 ft. wide and about 2600 ft. in length will be laid. Other bids received were:

Wm. Liddington—\$13,290 grading; 22c sq. ft. paving.

Fairchild-Gilmore-Wilton Co.—\$17,500 grading; 30c sq. ft. paving.

Tryon & Brain—\$20,700 grading; 28½c sq. ft. paving.

E. Schelling—\$23,400 grading; 24½c sq. ft. paving.

M. S. Cummings—\$23,999 grading; 37c sq. ft. paving.

**SANTA BARBARA,** Cal.—City Engineer A. B. Cook has been instructed to prepare plans and specifications for paving streets on ten or more city blocks, including Santa Barbara street from Micheltona to Pedregosa, Valerito from Garden to State, and Arrelaga from Garden to State. City Manager Craig has been instructed to take up with the County Supervisors the mat-

ter of obtaining county aid for connecting the Modoc road to the county line. This would mean the paving of West Mission street from Bath to St. Andres, 8 blocks, for which plans and specifications have already been drawn.

**REDDING,** Shasta Co., Cal.—A petition has been received from Cottonwood and vicinity asking the construction of a new road to commence at the southeast corner of section 7 township 20 north, range 4 west, running east on section lines between sections 1, 12, 6 and 7, township 29 north, range 5 west.

A committee has been appointed by the Board to submit a report on the proposed road at the next meeting.

**RICHMOND,** Contra Costa Co., Cal.—The City Council has awarded a contract to L. L. Page, 728 Bissell Ave., Richmond, at \$995 for the improvement of the road between Buena Vista and Garrard Boulevard.

R. H. Downer at \$47,733.85 was awarded the contract for sewerage in East Richmond and Towsbury Heights in the Richmond Traffic Center Tract. Other bids were:

F. Meyers ..... \$51,159.88  
L. L. Page ..... 60,463.38

The contract for the improvement of Lowell street, 24th and 26th streets, was awarded to Galbraith & Jones, 431 10th St., Richmond, at \$17,135.43. Other bids were: F. A. Mero, \$19,414 and L. L. Page, \$17,612.32.

Galbraith & Jones, Richmond, were also awarded the contract at \$9,567.45 for the improvement of Barrett Ave. Other bidders were: L. L. Page, \$12,063.35 and C. Johnson, \$9,817.07.

The contract for the construction of sewers in Andrade, 24th and 26th streets was awarded to F. A. Mero at \$18,546.06, he being the only bidder. (29653) 1st report Aug. 20; 3rd Sept. 5; (29708) 1st report Aug. 23, 1919;

**MODESTO,** Stanislaus Co., Cal.—The City Council has awarded a contract to the Standard Paving Co. for the improvement of Downey avenue from the north line of H street to a point 249 feet east from McHenry avenue by grading, construction of cement concrete curbs and gutters and the laying of a 4-inch cement concrete base with a bitulithic wearing surface 1½ inches thick. W. O. Thompson is City Clerk.

**CRESCENT CITY,** Del Norte Co., Cal.—The County Supervisors are planning the construction of a cross road to the present Smith River road from the Elk Valley section. J. L. Lenz is County Clerk.

**PETALUMA,** Sonoma Co., Cal.—The City Trustees are planning a bond election to secure funds to finance the paving of Main and Third streets.

**NAPA,** Napa Co., Cal.—The County Engineer has been authorized by the County Supervisors to purchase corrugated iron culverts for road work near Yountville and near the St. Helena Sanitarium. James A. Daley is County Clerk.

**SAN FRANCISCO**—The Board of Public Works has awarded a contract to C. B. Eaton, 401 11th St., San Fran-

cisco, for the construction of the Municipal Railway Super Track in Polk street between Geary and Post streets at \$3800.

**SAN FRANCISCO**—The Board of Public Works has accepted the bid of T. D. Harney, Pacific Bldg., for the construction of the Euclid avenue sewer between Parker and Palm avenues at \$7,618.76.

#### BIDS WANTED FOR SEWER SYSTEM

**NEWPORT BEACH,** Orange Co., Cal.—Until 7:30 P. M., September 29, bids will be received by City Clerk Geo. F. Wilson for constructing a cement pipe sewer system, 3 reinforced concrete pumping stations with motors, pumps and appurtenances, designated as pumping stations Nos. 1, 2 and 3, and a reinforced concrete septic tank and sludge beds in accordance with plans and specifications prepared by City Engineer Paul Kressley. The work will be done under the Vrooman act. Bids were taken for this work during the war and a contract awarded to the J. D. Kneen Contracting Co. of Santa Monica, at about \$175,000, but on account of war conditions the contract was not consummated.

**TRACY,** San Joaquin Co., Cal.—The City Trustees are considering the petition of property owners asking the installation of a larger water main in Highland avenue and Jungle street. The City Engineer estimates the cost of installation at \$2,600.

A similar petition has been received from the Tracy Lumber Company asking the extension of the fire mains in the eastern end of the town. The City Engineer has been directed to make a report on both petitions at the next meeting.

**CARSON CITY,** Nevada.—John O'Keefe, Goldfield, Nevada, has been awarded a contract on his bid of \$21,674 by the Nevada State Highway Commission for highway improvement from Minden to point 3.45 miles north thereof, Douglas County. Approximately 13,200 cu. yds. Excavation unclassified; 30,320 cu. yds. Gravel Surface; 160 cu.

#### FIRE EQUIPMENT

**LIVERMORE,** Alameda Co., Cal.—The City Trustees are considering the purchase of a fire truck and have received the following offers:

Schnerr, \$8,500; White, \$8,500; Service, \$6,500.

The cost of a Federal truck will be in the hands of the City Clerk in the next few days.

**MONTEREY,** Monterey Co., Cal.—The City Council has awarded a contract to the Noggle Electric Co. for furnishing and delivering to New Monterey one motor fire truck (Maxwell) they submitting the lowest bid at \$2,500.

**SAN LEANDRO,** Alameda Co., Cal.—The City Trustees have decided to call for bids for furnishing and delivering one motor fire truck. A call for bids is now being prepared by the City Clerk.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1905	Johnson	Johnson	9750
1906	Wall	Wall	2500
1907	Schechter	Schechter	3000
1908	Spingola	Spingola	3000
1909	Lapham	Lapham	5000
1910	Valleau	Amer Con.	400
1911	Speizer	Speizer	450
1912	Fourcade	Bourdieu	450
1913	O'Neil	Nolan	400
1914	Kiso	Todhunter	430
1915	Uchida	Uchida	1000
1916	Brooks	Brooks	400
1917	Kelley	Henry	500
1918	Franchini	Persson	450
1919	Genzken	Miller	450
1920	Ponti	Fonti	400
1921	Balfour Guthrie	Hyde	9090
1922	Walters	Johnson	3500
1923	Walter	MacDonald	3388
1924	Maddin	Owner	1250
1925	Stokes	Kleeman	4500
1926	Nelson	Nelson	1000
1927	Kahn	Kronnick	2158
1928	Blum Adv.	Sheridan	400
1929	Gallenkamp's	Pink	500
1930	Abrams	Stahl	500
1931	Cane	Huon	400
1932	De Vitt	Arthur	446
1933	Bisfinger	Parker	900
1934	Quinn	Muller	800
1935	Siannel	Olsen	500
1936	Peck	Snell	400
1937	Bernstein	Kragen	400
1938	Simmons	Peake	68752
1939	Simmons	Brode	3970
1940	Simmons	West Erect'g	1675
1941	Simmons	Pordero	10410
1942	Pinkham	Dahl	835
1943	Imperial	Barrett	150000
1944	Laverson	Morton	7800
1945	Withington	Owner	2000
1946	Owl	Pink	1000
1947	Baldwin	Barrett	400
1948	Walters	Wilson	12000
1949	Olivia	McCormick	476
1950	Flaherty	Owner	400
1951	Schlesinger	Sorensen	40033
1952	Hokker	Baxter	1335
1953	Stoff	Sullivan	4850
1954	Parkside Rity	Swanson	9630
1955	Same	Same	9850
1956	Rousseau	Hamill	16000
1957	Allred	Allred	6000
1958	Gashwiler	Pierson	430
1959	Wolff	Owner	1650
1960	Wolff	Wolff	1200
1961	Pike	Brockage	2450
1962	Cogswell	McLeran	20000
1963	Wright	Hamill	600
1964	Babin	Babin	500
1965	Alexander	Martani	450
1966	Rogers	Olsen	8050
1967	Miller	Miller	4000
1968	Claussen	De Martini	400
1969	Bullena	Hifferman	400
1970	Harris	Nelson	1500
1971	Iwakami	Coggins	1200

#### FRAME FLATS

(1905) SW ANZA AND TWELFTH Ave. Two-story and basement frame (4) flats.

Owner—Johnson & Johnson, 844 14th, San Francisco.

Architect—None.

Day's work. COST, \$9750

#### PLASTER EXTERIOR, ETC.

(1906) W SEVENTEENTH AVE 96 S California. Plaster exterior and inside trim for flats.

Owner—G. W. Wall, 6219 California, San Francisco.

Architect—None.

Day's work. COST, \$2500

#### FENCE AND SHED

(1907) NW FOLSOM AND MAIN. Erect corrugated iron fence and shed for warehouse.

Owner—Phillip Schechter, 304 Howard, San Francisco.

Architect—None.

Day's work. COST, \$3000

#### DWELLING

(1908) S GREENWICH 137 1/2 E Broderick. Two-story and basement frame dwelling.

Owner—A. Spingola, 1530 Filbert St., San Francisco.

Architect—A. S. MacRae, 655 Moraga St., San Francisco.

Day's work. COST, \$3000

#### DWELLING

(1909) NE GEARY AND THIRTY-second Ave. Two-story and basement frame dwelling.

Owner—A. R. Lapham, 485 36th Ave., San Francisco.

Architect—None.

Day's work. COST, \$5000

#### ALTERATIONS

(1910) NO. 1843 GREEN. Alter for basement garage.

Owner—P. Valleau, Premises.

Architect—None.

Contractor—American Concrete Co., Humboldt Bank Bldg., S. F.

COST, \$400

#### DWELLING

(1911) NW GERARD AND SILLIMAN. Move dwelling and concrete foundation.

Owner—A. A. Speizer, 1970 Donner, San Francisco.

Architect—None.

Day's work. COST, \$450

#### ALTERATIONS

(1912) E GUERRERO 100 S Duncan. Raise and alter dwelling.

Owner—H. Pourcade, 643 Hampshire, San Francisco.

Architect—None.

Contractor—J. Bourdieu, 20th and Potrero Ave., San Francisco.

COST, \$900

#### ALTERATIONS

(1913) NO. 273 EIGHTH AVE. Alter for basement garage.

Owner—Bob O'Neill, Geary near Fillmore, San Francisco.

Architect—None.

Contractor—M. F. Nolan, 238 Noe, S. F.

COST, \$400

#### SHED

(1914) NO. 57 ZOE. Reconstruct shed

Owner—Kiso & Co., Premises.

Architect—None.

Contractor—Geo. C. Todhunter, 1088 Ashbury, San Francisco.

COST, \$400

#### ALTERATIONS

(1915) NO. 416 JACKSON. Remove

lath and plaster ceilings, white-

washing, composition toilet floors,

painting, etc.

Owner—S. Uchida, 68 Post, S. F.

Architect—None.

Day's work. COST, \$1000

#### ALTERATIONS

(1916) NO. 1557 CLAY. Alter for basement garage.

Owner—O. W. Brooks, Premises.

Architect—None.

Contractor—J. M. Anderson, 1612 Pacific Ave., San Francisco.

COST, \$400

#### ADDITION

(1917) NO. 2558 TWENTY-NINTH Ave. Add two rooms to dwelling.

Owner—Horace Kelley, Premises.

Architect—None.

Contractor—M. J. Henry, 2347 35th Ave., San Francisco.

COST, \$500

#### ADDITION

(1918) NO. 3917 TWENTY-FOURTH. Add 2 rooms to dwelling.

Owner—G. Franchini, Premises.

Architect—J. C. Hladik, Monadnock Bldg., San Francisco.

Contractor—L. Persson, 1065 Sanchez, San Francisco.

COST, \$450

#### ALTERATIONS

(1919) NO. 152 ROUSSEAU. Concrete foundation and alter dwelling.

Owner—P. Genzken, Premises.

Architect—None.

Contractor—Wm. Miller, 49 Park St., San Francisco.

COST, \$450

#### ADDITION

(1920) NO. 93 PRENTISS. Add one room to cottage.

Owner—G. Fonti, Premises.

Architect—None.

Day's work. COST, \$400

#### OFFICE BUILDING

(1921) SE SANSOME and California S 89x129-9 1/2. Furnish, drive and cut off piles for a 12 story Class "A" office building.

Owner—The Balfour-Guthrie Investment Co. by P. J. Walker Co., Agt., Monadnock Bldg., San Francisco.

Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Contractor—Hyde, Harles & Co., 110 Market, San Francisco.

Filed Sept. 8, '19. Dated Aug. 29, '19.

Monthly ..... 75%

Usual 35 days ..... 25%

TOTAL COST, \$3090

Bond, \$4545. Sureties, The Fidelity & Casualty Co. Forfeit, none. Limit, as required. Plans and specifications filed.

#### (Correction in Location)

#### ALTERATION

(1922) SE McALLISTER AND DIVISADERO. All work for show windows and other work for store and market.

Owner—Rivers Bros., Premises.

Architect—C. A. Meussdorffer, 1104 Humboldt Bank Bldg., S. F.

Contractor—Joel Johnson, 110 Jessie, San Francisco

Filed Sept. 8, '19. Dated Sept. 6, '19.  
On 3rd of each month ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$3989  
Bond, Sureties, Forfeit, none. Limit,  
35 days after Sept. 8, 1919. Plans and  
specifications filed.

## ADDITION

(1923) NE VAN NESS AVE AND SAC-  
ramento. Addition to two-story  
concrete building for auto sales  
rooms now in course of construction  
Owner—Mrs. Hannah Walter.  
Engineers—MacDonald & Kahn.  
Contractor—MacDonald & Kahn, Ri-  
alto Bldg., San Francisco.

COST, \$35,000

## ALTERATIONS

(1924) SE CALIFORNIA and 13th  
Ave. General alterations for frame  
residence.  
Owner—B. Madden, Premises.  
Architect—None.  
Day's work.

COST, \$1250

## FRAME DWELLING

(1925) NO. 138 TWENTY-SECOND  
Ave. Two-story and basement frame  
dwelling.  
Owner—Mrs. F. R. Stokes, 487 18th  
Ave., San Francisco.  
Architect—None.  
Contractor—Wm. Kleeman, 188 Page,  
San Francisco.

COST, \$4500

## FRAME DWELLING

(1926) W MIRAMAR 171 S Westwood  
One-story and basement frame  
dwelling.  
Owner—Nelson Bros., 30 Northwood  
Drive, San Francisco.  
Architect—Chas. Strothoff, 2276 15th  
St., San Francisco.  
Day's work.

COST, \$6000

## ALTERATIONS

(1927) MISSION AND TWENTY-  
second. Alter for movie theatre.  
Owner—Kahn & Greenfield.  
Architect—Reid Bros., 105 Montgomery  
St., San Francisco.  
Contractor—Kronnick Bros., 1659  
O'Farrell St., San Francisco.

COST, \$2158

## ALTERATIONS

(1928) NO. 733 MARKET. Erect T.  
and G. partitions.  
Owner—Blum Advertising Agency, 696  
Mission, San Francisco.  
Architect—None.  
Contractor—Robt. E. Sheridan, 351  
11th, Oakland.

COST, \$400

## DISPLAY CASE

(1929) NO. 747 MARKET. Install  
display case.  
Owner—Gallenkamp's Shoe Co., 702  
Market, San Francisco.  
Architect—None.  
Contractor—Fink & Schindler Co., 218  
13th San Francisco.

COST, \$500

## ALTERATIONS

(1930) NOS. 47-49 STOCKTON. Ex-  
tend mezzanine floor.  
Owner—The Abrams, 74 New Mont-  
gomery, San Francisco.  
Architect—Bernard J. Joseph, 74 New  
Montgomery, San Francisco.  
Contractor—J. J. Stahl, 666 8th Ave.,  
San Francisco.

COST, \$500

## ALTERATIONS

(1931) SW ELLIS AND STEINER.  
Extend foundation, etc.  
Owner—W. M. Cane, 1701 Ellis, S. F.  
Architect—None.  
Contractor—C. W. Haun, 313 28th,  
San Francisco.

COST, \$400

## REPAIRS

(1932) NO. 119 WINFIELD. Repair  
fire damage to dwelling.  
Owner—F. De Vitt, Valencia St., S. F.  
Architect—None.  
Contractor—Geo. H. Arthur, Box 72,  
180 Jessie, San Francisco.

COST, \$446

## ALTERATIONS

(1933) NO. 3340 JACKSON. Alter and  
add for sleeping porch.  
Owner—N. Bissinger, Premises.  
Architect—None.  
Contractor—K. E. Parker, 519 Califor-  
nia, San Francisco.

COST, \$900

## ALTERATIONS

(1934) NO. 140 TWENTY-SEVENTH  
Ave. Minor alterations on front.  
Owner—Mr. Quinn.  
Architect—None.  
Contractor—C. F. Muller, 84 28th St.,  
San Francisco.

COST, \$800

## ALTERATIONS

(1935) NO. 180 LEXINGTON. Raise  
and alter dwelling.  
Owner—Michael Scannel, 684-A Capp,  
San Francisco.  
Architect—None.  
Contractor—Olson & Verner, 289 Fell,  
San Francisco.

COST, \$500

## ALTERATIONS

(1936) NO. 917 HAIGHT. Alter for  
basement garage.  
Owner—Geo. C. Peck, Premises.  
Architect—None.  
Contractor—E. H. Snell, 135 18th Ave.,  
San Francisco.

COST, \$400

## ALTERATIONS

(1937) NO. 25 EDDY. Alter store  
front.  
Owner—Mundy E. Bernstein, Prem.  
Architect—None.  
Contractor—Louis Krage, 743 Gough,  
San Francisco.

COST, \$400

## FACTORY

(1938) E ½ BLOCK bded by Powell,  
North Point, Stockton and Bay. Ex-  
cavating, filling, concrete piers,  
walls and floors, wood frame and  
gravel roof, etc., for mill construc-  
tion type of factory building.  
Owner—Simmons Co., 198 Bay, S. F.  
Plans by Owner.  
Contractor—Frank B. Peake, 1247 42d  
Ave., San Francisco.  
Filed Sept. 10, '19. Dated Sept. 8, '19.  
On 1st and 15th of each month 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$68,752  
Bond, none. Limit, 90 days after Sept.  
6. Forfeit, \$10. Plans and specifica-  
tions filed.

(1939) STRUCTURAL STEEL TRUS-  
ses, girders, columns, etc., on above  
Contractor—Brode Iron Works, 3  
Hawthorne St., San Francisco.  
Filed Sept. 10, '19. Dated Sept. 6, '19.  
Payments same as above .....  
TOTAL COST, \$3971  
Bond, none. Limit, 40 days. Forfeit  
\$10. Plans and specifications filed.

(1940) TAKING DOWN PRESENT  
corrugated iron and wood and steel  
frame on Lot 50x137-6, situated 137-4  
N of NW Hay and Stockton and re-  
set steel frame on foundation pro-  
vided by owners on W ½ Bldg. bded  
by Hay, Stockton, Powell and North  
Point.

Contractor—Western Erecting Co.  
Filed Sept. 10, '19. Dated Sept. 6, '19.  
Building down and removed  
from present site ..... \$450  
When reset complete on new  
site ..... 1225

TOTAL COST, \$1675

Bond, none. Limit, 10 days after Sept.  
10. Forfeit, none. Plans and spec-  
ifications filed.

(1941) SHEET METAL WORK FOR  
exterior and interior of factory  
building, except corrugated iron for  
partitions and underwriters' fire  
doors on above.

Contractor—Forderer Cornice Works,  
269 Potrero Ave., San Francisco.

Filed Sept. 10, '19. Dated Sept. 8, '19.  
On 1st and 15th of each month 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$10,410

Bond, none. Limit, 84 days. Forfeit  
\$10. Plans and specifications filed.

## ADDITION

(1942) S BUSH 34 W Broderick. All  
work for one-story addition.  
Owner—Chas. B. Pinkham, 2703 Bush  
St., San Francisco.

Architect—None.  
Contractor—Alfred Dahl.  
Filed Sept. 10, '19. Dated Sept. 10, '19.  
Roof on ..... \$208.67  
Finished plaster on ..... 208.67  
Completed and accepted ..... 208.65  
Notice of acceptance filed ..... 209.00  
TOTAL COST, \$835.00

Bond, none. Limit, 24 days from Sept.  
10. Forfeit, \$10. Plans and specifica-  
tions filed.

## CLASS "C" STORE

(1943) N GEARY 80 E Grant Ave.  
Six-story Class "C" store.  
Owner—Imperial Realty Co., 709 Mis-  
sion, San Francisco.

Architect—G. Albert Lansburgh, 709  
Mission, San Francisco.  
Contractor—Barrett & Hilp, Sharon  
Bldg., San Francisco.

COST, \$150,000

## FRAME DWELLING

(1944) E SAN PABLO 763 S Portola  
Ave. Two-story and basement frame  
dwelling.  
Owner—Garden Homes Co., 278 Post,  
San Francisco.  
Architect—H. H. Gutterson, 278 Post,  
San Francisco.  
Contractor—John Morton, 180 Jessie,  
San Francisco.

COST, \$7800



## FRAME IRON WORKS

(1945) N BIRNAN 80 E Seventh.  
One-story frame iron works.  
Owner—C. W. Withington, 180 Jessie,  
San Francisco.  
Architect—Lewis M. Gardner, 942 Pine  
St., San Francisco.  
Day's work. COST, \$2000

## ALTERATIONS

(1946) NO. 121 SECOND. Alter for  
kodak department.  
Owner—The Owl Drug Co., 611 Mission  
St., San Francisco.  
Architect—None.  
Contractor—Fink & Schindler Co., 228  
13th, San Francisco. COST, \$1000

## ALTERATIONS

(1947) NO. 132 SIXTH. New store  
front.  
Owner—Baldwin & Howell, 324 Kearny  
St., San Francisco.  
Architect—None.  
Contractor—Barrett & Hilp, Sharon  
Bldg., San Francisco. COST, \$400

## ALTERATIONS

(1948) NO. 2543 TWENTY-EIGHTH  
Ave. Raise cottage for basement  
garage.  
Owner—Mrs. H. Lavenson, Premises.  
Architect—None.  
Contractor—Wilson & Babeani, 2530  
28th Ave., San Francisco. COST, \$1200

## ALTERATIONS

(1949) NE BUCHANAN AND GREEN-  
wich. Alter for store.  
Owner—Mrs. Geo. Olivia, 1936 Leaven-  
worth, San Francisco.  
Architect—None.  
Contractor—Thos. McCormick, 25  
Glady's, San Francisco. COST, \$476

## ALTERATIONS

(1950) SW ELLIS AND LAGUNA.  
Alter store.  
Owner—R. Flaherty, 1098 54th St.,  
Oakland.  
Architect—C. C. McDougall, 2614  
Gough, San Francisco. COST, \$400

## RESIDENCE

(1951) NE VALLEJO & BUCHANAN  
E 50XN 137-6. All work except  
plumbing, heating, painting and  
electric wiring for two-story and  
basement frame residence.  
Owner—B. F. Schlesinger, Cr. The Em-  
porium, San Francisco.  
Architect—Clarence A. Tantau, Clunie  
Bldg., San Francisco.  
Contractor—Walter Sorensen, 3219  
Ellis St., Berkeley.  
Filed Sept. 1, '19. Dated Sept. 3, '19.  
On or before 10th of each month 75%  
Usual 35 days. COST, \$40,093  
TOTAL COST, \$40,093  
Bond, \$20,047. Surety, Maryland Casualty Co. Limit, 120 days. Forfeit,  
none. Plans and specifications filed.

## SAND BLAST BLDG., ETC.

(1952) SW MARKET AND FIRST.  
Sand blast and treat with Imperial  
waterproofing and liquid stucco for  
all exposed wall surface on Conrad  
Building.  
Owner—Hooker & Lent.  
Engineer—M. C. Conchot, 110 Sutter,

San Francisco.

Contractor—Reed Baxter, 625 Market,  
San Francisco.  
Filed Sept. 11, '19. Dated Sept. 10, '19.  
On completion ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$1335  
Bond, limit, forfeit, none. Specifica-  
tions only filed.

## APARTMENTS

(1953) W HYDE 57-6 S Bush S 50xW  
95. Lathing and plastering four-  
story and basement Class "C" brick  
apartment house.  
Owner—Louis D. Stoff, 830 Sutter, S. F.  
Architect—Albert Schroeffer, Nevada  
Bank Bldg., San Francisco.  
Contractor—D. F. Sullivan.  
Filed Sept. 11, '19. Dated July 10, '19.  
Lathing done ..... \$ 400  
3rd and 4th floors brown coated 800  
Brown coat completed ..... 800  
3rd and 4th floors white coated 800  
When completed ..... 800  
Usual 35 days ..... 1250  
TOTAL COST, \$4850  
Bond, \$2725. Sureties, Thos. and Frank  
Mannix. Limit, 75 days. Forfeit, none.  
Plans and specifications filed.

## FRAME DWELLINGS

(1954) E THIRTY-THIRD AVE 225  
S Taraval S 50xW 120. All work for  
two one-story frame dwellings.  
Owner—Parkside Realty Co., Crocker  
Bldg., San Francisco.  
Architect—None.  
Contractor—Ernest Swanson, 311 Low-  
ell St., San Francisco.

Filed Sept. 11, '19. Dated Sept. 11, '19.  
Frame work completed ..... \$2407.50  
Brown coated ..... 2407.50  
Completed and accepted ..... 2407.50  
Usual 35 days ..... 2407.50  
TOTAL COST, \$9630.00  
Bond, \$5000. Sureties, Chas. Monson  
and O. Monson. Limit, 90 days. For-  
feit, none. Plans and specifications  
filed.

## FRAME DWELLINGS

(1955) N TARAVALL 57-6 W 30th Ave,  
W 50xN 100. All work for 2 1½-  
story frame dwellings.  
Owner—Parkside Realty Co., Crocker  
Bldg., San Francisco.  
Architect—None.  
Contractor—Ernest Swanson, 311 Low-  
ell St., San Francisco.

Filed Sept. 11, '19. Dated Sept. 11, '19.  
Frame completed ..... \$2462.50  
Enclosed and brown coated ..... 2462.50  
Completed and accepted ..... 2462.50  
Usual 35 days ..... 2462.50  
TOTAL COST, \$9850  
Bond, \$5,000. Sureties, Chas. Monson  
and O. Monson. Forfeit, none. Limit,  
90 days. Plans and specifications filed.

## DWELLINGS

(1956) NE AND NW CALIFORNIA &  
28th Ave. Two two-story and base-  
ment frame dwellings.  
Owner—Helen & Co., 125 Sutter St.,  
San Francisco.  
Architect—Earl B. Bertz, 68 Post St.,  
San Francisco.  
Contractor—Thos. Hamill, 4101 Balboa  
St., San Francisco. COST, \$3000 each

## DWELLINGS

(1957) E THIRTY-SIXTH AVE 105 &  
127-6 N Fulton. Two two-story and  
basement frame dwellings.  
Owner—C. S. Alfred, 150 Mondaga

Ave., San Francisco.

Architect—None.  
Day's work. COST, \$5000 each

## ALTERATIONS

(1958) NO. 3065-67 TWENTY-THIRD.  
Raise foundation and concrete floor.  
Owner—John Gachwiler.  
Architect—None.  
Contractor—Mr. Pierson, Bryant St.,  
San Francisco. COST, \$430

## PLASTER FRONT

(1959) SE LARKIN AND WASHING-  
ton. Plaster front.  
Architect—Arthur Rousseau, 110 Sutter  
St., San Francisco.  
Architect—Rousseau & Rousseau, 110  
Sutter St., San Francisco.  
Day's work. COST, \$1650

## ALTERATIONS

(1960) NO. 3575 CLAY. Alter for  
bath rooms.  
Owner—Mrs. Carl Wolff.  
Architect—Bliss & Faville, 1001 Balboa  
Bldg., San Francisco.  
Day's work. COST, \$1200

## ALTERATIONS

(1961) NO. 49 FIFTH AVE. Alter and  
add to dwelling.  
Owner—P. M. Pike, 16 5th Ave., S. F.  
Architect—Smith O'Brien, 742 Market,  
San Francisco.  
Contractor—E. A. Brockhage, 1326 Na-  
toma, San Francisco. COST, \$2450

## ALTERATIONS

(1962) SE FOLSOM AND TWENTY-  
sixth. New stairs, boiler room, heat-  
ing system, electric work, etc.  
Owner—Cogswell Polytechnic College,  
Premises.  
Architect—Fred H. Meyer, Bankers'  
Investment Bldg., S. F.  
Contractor—McLeran & Peterson,  
Hearst Bldg., San Francisco. COST, \$20,000

## ALTERATIONS

(1963) NO. 742 FORTY-SECOND AVE.  
Minor alterations for dwelling.  
Owner—Chas. D. Wright, Premises.  
Architect—None.  
Contractor—Thos. Hamill, 4101 Balboa  
St., San Francisco. COST, \$600

## REPAIRS

(1964) NO. 725 GRANT AVE. Repair  
fire damage.  
Owner—L. C. Cabin Co., 425 Kearny,  
San Francisco.  
Architect—None.  
Day's work. COST, \$500

## ALTERATIONS

(1965) NO. 1754 UNION. Raise and  
underpin.  
Owner—H. Alexander, 2355 Green-  
wich, San Francisco.  
Architect—None.  
Contractor—S. Martani, 1753 Green-  
wich, San Francisco. COST, \$450

## FRAME RESIDENCE

(1966) E WESTWOOD DRIVE dist 14  
S from N line Lot 26 Blk 3165 West-  
wood Park S 44 N 87 deg 36 min 59  
sec E 113.629 N 0 deg 24 min W 40  
S 89 deg 08 min 44 sec W 105.034  
Ftn Lots 25, 26 and 27 Blk 3165,  
Westwood Park. All work for two-

story and basement frame residence  
Owner—R. R. Rogers, 527 Commercial, San Francisco.  
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.  
Contractor—Olaf Olsen, 1214 Stanyan St., San Francisco.  
Filed Sept. 12, '19. Dated Sept. 10, '19.  
Frame up, enclosed and roof on ..... \$2012.50  
Brown coated ..... 2012.50  
Completed and accepted ..... 2012.50  
Usual 35 days. .... 2012.50  
TOTAL COST, \$8050.00  
Bond, \$4025. Surties, H. S. Thomson and Walter A. Mariani. Limit, 90 days after Sept. 12. Forfeited, none. Plans and specifications filed.

## FRAME DWELLING

(1947) E NINETEENTH AVE 250 S Balboa. One-story and basement frame dwelling.  
Owner—Wm. A. Miller & Co., 743 5th Ave., San Francisco.  
Architect—None.  
Day's work. .... COST, \$4000

## ALTERATIONS

(1968) NO. 1323 TWELFTH AVE. Alter for basement garage.  
Owner—M. Claussen, 1042 Ellis, S. F. Architect—None.  
Contractor—F. De Martini, 274 29th, San Francisco.  
COST, \$400

## SHEDS

(1969) NO. 161 CHENERY. Erect 2 sheds.  
Owner—Mrs. Bulliena, Premises.  
Architect—None.  
Contractor—Jas. F. Hifferman, 59 Santa Marina, San Francisco.  
COST, \$400

## ALTERATIONS

(1970) NO. 698-698 POST. Alter for bakery and restaurant.  
Owner—Abe and Ben Harris et al, NE Post and Jones, San Francisco.  
Architect—None.  
Contractor—L. C. Mason, Post and Jones, San Francisco.  
COST, \$1500

## ALTERATIONS

(1971) N JACKSON 80 W Sansome. Erect mezzanine floor, chute, etc.  
Owner—Iwakami Co., 476 Jackson St., San Francisco.  
Architect—None.  
Contractor—L. M. Coggins, 115 Turk, San Francisco.  
COST, \$1200

## COMPLETION NOTICES.

## San Francisco County

Recorded Accepted  
Sept. 5, 1919—W TWENTY-  
seventh Ave 100 S Clement S 200  
x W 120; E 28th Ave 100 S Clement  
S 50x E 120. Jonathan Anderson  
to Thos Hamill, Sept. 5, 1919  
Sept. 5, 1919—E FORTY-FOURTH  
Ave 311 N Fulton N 25x E 120.  
David Leigh to whom it may concern,  
Sept. 1, 1919  
Sept. 5, 1919—E FORTY-FOURTH  
Ave 210 N Balboa N 25x E 75. Robt  
Craigmile to David Leigh, Sept. 1, 1919  
Sept. 8, 1919—SE CLAREMONT BLVD  
and Dorchester Way Lot 10 Blk  
2986 Claremont Court. A L Meyer  
erstein to J S Malloch, Aug. 27, 1919  
Sept. 8, 1919—LOTS 2 and 4 BLK  
3165, Westwood Park. Hans Nelson  
to Nelson Bros., Sept. 8, 1919  
Sept. 8, 1919—E TWENTY-SEVENTH

Ave 100 N Geary N 50 E 132-9 1/2  
m or 1 S 9 deg 15 min E 50-3 1/4  
m or 1 W 137-11 1/2 m or 1 to beg.  
William Klute to T E Mohler  
Sept. 2, 1919—Sept. 2, 1919  
Sept. 8, 1919—NE ROLPH AND  
Madrid 25.7x100 N on Madrid  
known as Lot 36 Blk 11, Crocker  
Amazon Tract. Frank Scott to C  
D Bevier & R A McAfee, Sept. 1, '19  
Sept. 8, 1919—LOTS 9 AND 11, BLK  
3165, Westwood Park. Hans Nelson  
to Nelson Bros., Sept. 8, 1919  
Sept. 8, 1919—E TWENTY-EIGHTH  
Ave 130 N California N 30x E 120  
Lot 4, Sub 2, and lot 3, Sub 2, Sea  
Cliff. Harry B. Allen to whom it  
may concern, Sept. 3, 1919  
Sept. 11, 1919—W PALM AVE 20x E  
S California S 40x W 95. Chas W  
Higgins to whom it may concern.  
Sept. 11, 1919—THIRD ST. STATION  
Southern Pacific Co to American  
Marble & Mosaic Co., Sept. 2, 1919  
Sept. 11, 1919—261 SEVENTEENTH  
Ave. Jos Henry Reiss to J Frank  
Ball ..... Completed .....  
Sept. 12, 1919—S PINE 157-6 W  
Kearny S 60 E 20 m or 1 S 30 W  
59 m or 1 N 80 m or 1 E 38-3 m or 1  
Ernest H or E H Dettner to W L  
Nagel, ..... Sept. 3, 1919  
Sept. 12, 1919—S NINETEENTH 120  
W Douglas. P Algot Nelson to  
whom it may concern, Sept. 12, 1919  
Sept. 12, 1919—SW BRYANT AND  
Silber 65x30. Wm Schenck to  
Samuel Schell, ..... Sept. 1, 1919  
Sept. 12, 1919—N FIFTEENTH 100  
W Guerrero 25x100. Robert Wilson  
Murray to Monson Bros., .....  
Sept. 12, 1919

## LEASES.

## San Francisco County.

Sept. 13, 1919—S CALIFORNIA bet.  
Hyde and Larkin; N 1477 Califor-  
nia. Vida Alberson to Mrs Elsie P  
Babin. 1 year. \$42.50 per month.  
Sept. 8, 1919—N MISSION bet. 18th and  
W 40th of Ave west, plus easement.  
Gustave and Classa May to Elmer M  
Whitney; 3 years 2 mo.; assigned  
Sept. 8, 1919 to Jno R. Rivolta.  
Sept. 8, 1919—W POLK bet. Clay and  
Washington, 1733 and 1735 Polk.  
Benoit Plegat to Marius and Paul  
Verdier, 5 years. \$16,500.  
Sept. 10, 1919—NO. 368 ELLIS N line  
bet Taylor and Jones. John H  
Welter to Isabelle Healey, 5 years,  
\$25,160.  
Sept. 12, 1919—N POST 62-6 E Leaven-  
worth E 50 N 137-6 W 25 S 50 W 25  
S 100 W 25. Theodore E Tuffs and  
Cauhu to John and wife Mary  
Welter. 10 years. \$108,000.

## NOTICE OF NON-RESPONSIBILITY.

## San Francisco County.

Sept. 11, 1919—NE JONES & LEWIS  
Place N 60x E 40. William Gregor  
as to improvements on leased  
property .....

## BUILDING CONTRACTS.

## Alameda County.

No.	Owner	Contractor	Am't.
1954	Gray	Rose	2000
1955	Speck	Speck	2500
1956	Rohan	Yager	5000
1957	Pfrang	Pfrang	2950
1958	Schmidt	Walker	400
1959	Nielsen	Nielsen	500
1960	Cavasso	Barnett	400
1961	Gompertz	Owner	400
1962	Head	Pierson	400
1963	Griffith	Griffith	400
1964	Johnston	MacGrogger	8700
1965	Same	Same	11800
1966	Same	Same	11600
1967	Same	Same	2900
1968	Hutchinson	Andersen	2500
1969	Ruegg	Ruegg	1500
1970	Pankey	Fallmer	419
1971	Thompson	Schmitt	345
1972	Bkly Bapt.	Cavangh	2647
1973	Hall	Allen	1500
1974	Elrte	Schuster	4000
1975	Bradshaw	Heibling	2000
1976	Brown	Stenbro	2500
1977	Elliot	Muller	13000
1978	Mazor	Stuetgen	8000
1979	Cor	Hancock	3988
1981	Kirkland	Whitford	3000
1982	Winn	Cal Eldrs	8000
1983	Hanson	Hanson	2500
1984	Freitas	Freitas	2500

1985	Ehrenpfort	Larmer	250
1986	City of Okd	Faulkes	125
1987	Same	Same	125
1988	Same	Same	125
1989	Bouguett	Bonds	40
1990	Cook	Cook	60
1991	Kailler	Anderson	50
1992	Hartsbrook	Jones	48
1993	Ruppertz	Owner	40
1994	Harty	Connolly	50
1995	Welsh	Allen	100
1996	Long	Sheridan	350
1997	Isosceck	Howett	87
1998	Moser	Roth	170
1999	Arntis	Oakley	375
2000	Dufour	Leot	1000
2001	Fortayton	Owner	47
2002	Korhall	Randlett	80
2003	Silverster	Francis	2700
2004	Astrue	Nielsen	200
2005	Gould	Gould	650
2006	Herr	Herr	47
2007	Boiler Mk Un	Burlingame	40
2008	Reynolds	Owner	47
2009	Hamilton	Marshall	1000
2010	Rickard	Kidder	50
2011	Wright	Blethrock	50
2012	Armstrong	Porter	50
2013	Brown	Burks	2500
2014	Farmer	Farmer	2950
2015	Cahill	Williams	80
2016	Smith	Nat'l Rfg.	450

## ALTERATIONS

(1954) NOS. 539-541 FORTY-FIRST  
Oakland. Alter flats into apart-  
ments.  
Owner—Carrie Gray, Premises.  
Architect—None.  
Contractor—A. H. Rose & Co., 525  
17th, Oakland.  
COST, \$2000

## DWELLING

(1955) W NINETY-SECOND AVE 100  
S "E." Oakland. One-story 4-room  
dwelling.  
Owner—F. A. Speck, 481 92nd Ave.,  
Oakland.  
Architect—None.  
Day's work. .... COST, \$2500

## MARQUEE

(1956) S SIXTH, bet. Washington &  
Clay, Oakland. Marquee.  
Owner—John Rohan.  
Contractor—Yager Sheet Metal Co.,  
3501 Chestnut, Oakland.  
COST, \$5000

## DWELLING

(1957) E HILLEGASS 400 W Clare-  
mont, Oakland. Two-story 5-room  
dwelling.  
Owner—C. J. Pfrang, 480 Forest St.,  
Oakland.  
Architect—None.  
Day's work. .... COST, \$2950

## ALTERATIONS

(1958) NO. 425 TWELFTH, Oakland.  
Alterations.  
Owner—C. E. Schmidt, Premises.  
Architect—None.  
Contractor—T. G. Walker, 566 4th,  
Oakland.  
COST, \$400

## ALTERATIONS

(1959) NO. 1547 NINETY-FOURTH  
Ave., Oakland. Alterations.  
Owner—Niels Peter Nielsen, 2031 In-  
dependent Way, Oakland.  
Architect—None.  
Day's work. .... COST, \$500

## ALTERATIONS

(1960) NO. 374 FAIRMOUNT AVE.,  
Oakland. Alterations.  
Owner—Mrs. I. L. Cavasso, Premises.  
Architect—None.  
Contractor—H. M. Barnett, 859 Aileen,  
Oakland.  
COST, \$400

## GARAGE

(1961) NO. 155 ALVARADO ROAD,  
Berkeley. Garage.

Owner—Walter Gompertz, Premises.  
Architect—None.  
Day's work. COST, \$400

**ADDITION**  
(1962) NO. 2809 FOREST AVE., Berkeley. Addition.  
Owner—Miss Anna Head, Premises.  
Architect—None.  
Contractor—H. W. Pierson, 2917 College Ave., Berkeley.  
COST, \$400

**DWELLING**  
(1963) NE FORTY-SECOND AND Shafter Ave., Oakland. One-story 5-room dwelling.  
Owner—T. Griffith, 4618 Walnut Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2800

**DWELLING**  
(1964) W THIRTY-FIFTH AVE 188, 225 and 263 N Lynde, Oakland. Three one-story 6-room dwellings.  
Owner—Owen W. Johnson, 708 Oakland Bank of Savings Bldg., Okd.  
Architect—None.  
Contractor—C. M. MacGregor, 470 13th Oakland.  
COST, \$2900 each

**DWELLINGS**  
(1965) W THIRTY-FIFTH AVE 38, 75, 113 and 150 N Lynde, Oakland. Four one-story 6-room dwellings.  
Owner—Owen W. Johnson, 708 Oakland Bank of Savings Bldg., Okd.  
Architect—None.  
Contractor—C. M. MacGregor, 470 13th Oakland.  
COST, \$2900 each

**DWELLINGS**  
(1966) W THIRTY-FIFTH AVE 50, 38, 125 and 163 S Lynde, Oakland. Four one-story 6-room dwellings.  
Owner—Owen W. Johnson, 708 Oakland Bank of Savings Bldg., Okd.  
Architect—None.  
Contractor—C. M. MacGregor, 470 13th Oakland.  
COST, \$2900 each

**DWELLING**  
(1967) NE THIRTY-FIFTH AVE & Lynde, Oakland. One-story 6-room dwelling.  
Owner—Owen W. Johnson, 708 Oakland Bank of Savings Bldg., Okd.  
Architect—None.  
Contractor—C. M. MacGregor, 470 13th Oakland.  
COST, \$2900

**BARN, ETC.**  
(1968) S ALAMEDA AVE opp. 38th Ave., Oakland. One-story barn and stable.  
Owner—Hutchinson Co., 17th and Broadway, Oakland.  
Architect—A. W. Smith, 1010 Broadway, Oakland.  
Contractor—N. A. Andersen, 1927 Napa Ave., Oakland.  
COST, \$2500

**GARAGE**  
(1969) S MCKINLEY AVE 97 and 144 W Capell, Oakland. Two one-story garages.  
Owner—Ruegg Bros., 719 Pacific Bldg., San Francisco.  
Architect—None.  
Day's work. COST, \$750 each

**ALTERATIONS**  
(1970) NO. 1657 ELEVENTH, Oakland. Alterations.  
Owner—S. W. Pankey, Premises.  
Architect—None.  
Contractor—P. Fallmer, 536 27th, Okd.  
COST, \$419

**ADDITION**  
(1971) NO. 5863 BIRCH COURT, Oakland. Two-story addition.  
Owner—Henry C. Tonjes, 5863 Birch Court, Oakland.  
Architect—None.  
Contractor—Carl Schmitt, 1614 Wad, Berkeley.  
COST, \$645

**SCHOOL BLDG.**  
(1970) SE HILLEGAS AVE. and Dwight Way, S 135.56, E 172.03, N 149.47 W 160. All work of excavation, grading and concrete work, angle lintels, mullion struts and transom T bars for 4 story and basement reinforced concrete school building.  
Owner—Berkeley Baptist Divinity School.  
Architect—Julia Morgan, Merchants' Ex. Bldg., San Francisco.  
Contractor—Thomas Cavanagh, 180 Jessie, San Francisco.  
Filed Sept. 10, '19. Dated Sept. 8, '19. 1st and 15th of each month.... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$26,447

Bond, \$13,225. Sureties, American Indemnity Co. Forfeit, Limit, none. Plans and specifications filed.

**ALTERATIONS**  
(1972) NO. 2960 CLAREMONT BLVD., Berkeley. Alterations.  
Owner—Frank Hall, 2647 Piedmont Ave., Berkeley.  
Architect—None.  
Contractor—F. E. Allen, 2718 Regent, Berkeley.  
COST, \$1500

**DWELLING**  
(1974) E AMADOR 150, N Shattuck Ave., Berkeley. One-story 6-room dwelling.  
Owner—Ralph Eltse, Berkeley.  
Architect—None.  
Contractor—H. H. Schussler, 2436 Telegraph Ave., Berkeley.  
COST, \$4000

**DWELLING**  
(1975) NE CHESTNUT AND HEARST Ave., Berkeley. One-story 5-room dwelling.  
Owner—R. H. Bradshaw, 6429 Telegraph Ave., Oakland.  
Architect—None.  
Contractor—G. Helbing, 1817 Chestnut St., Berkeley.  
COST, \$2000

**DWELLING**  
(1976) SE THIRTY-EIGHTH 80 E 14th Ave., Oakland. One-story five-room dwelling.  
Owner—Chas. F. Brown, 2607 22nd Ave., Oakland.  
Architect—None.  
Contractor—A. Stenbro, 2122 Vicksburg Ave., Oakland.  
COST, \$2500

**MACHINE SHOP**  
(1977) NE TWENTY-THIRD AND Valley, Oakland. One-story brick machine shop.  
Owner—C. T. Elliott, 2708 Benvenue Ave., Berkeley.  
Architect—Clay N. Burrell, 1st Saving

Bank Bldg., Oakland.  
Contractor—F. A. Muller, Syndicate Bldg., Oakland.  
COST, \$13,000

**DWELLING**  
(1978) N LAKESHORE AVE 200 E Winsor, Oakland. Two-story 7-room dwelling.  
Owner—M. Mazor, 2225 Harrison St., Oakland.  
Architect—None.  
Contractor—F. N. Strang, 1405 Central Ave., Alameda.  
COST, \$6000

**DWELLING**  
(1979) N LOCKWOOD 200 E 73rd Ave., Oakland. One-story 7-room dwelling.  
Owner—J. M. Tyken, 7424 Lockwood, Oakland.  
Architect—None.  
Contractor—B. E. Huff, 927 40th Ave., Oakland.  
COST, \$4000

**ADDITION**  
(1980) E LEWIS 100 S Seventh. One-story brick addition to garage.  
Owner—H. C. Nor.  
Architect—None.  
Contractor—Hancock & Lydksen, 1244 29th Ave., Oakland.  
COST, \$3988

**DWELLING**  
(1981) W HEARN 250 S Chabot Road, Oakland. One-story 5-room dwlg.  
Owner—James Kirkland, Cor. Chabot Road and Hearn, Oakland.  
Architect—None.  
Contractor—W. T. Whitford, 421 42d, Oakland.  
COST, \$3000

**DDWELLING**  
(1982) E WEBSTER 50 S Forty-second, Oakland. One-story 5-room dwelling.  
Owner—G. L. Winn, 1534 Franklin, Oakland.  
Architect—None.  
Contractor—California Builders' Co., 1534 Franklin, Oakland.  
COST, \$3800

**DWELLING**  
(1983) E AUSEON AVE 240 N Plymouth, Oakland. One-story 5-room dwelling.  
Owner—Joseph Simmons, 270 McAllister, San Francisco.  
Architect—None.  
Contractor—H. O. Hanson, 76 3rd St., San Francisco.  
COST, \$2500

**DWELLING**  
(1984) S "B" ST. 250 E Jones Ave., Oakland. One-story 6-room dwlg.  
Owner—J. T. Freitas, 1238 97th Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2500

**DWELLING**  
(1985) S ALCATRAZ AVE 140 E Shattuck Ave., Oakland. One-story 4-room dwelling.  
Owner—Arthur T. Ehrenpfort, 675 Alcatraz Ave., Oakland.  
Architect—None.  
Contractor—E. W. Larmer, 470 Boulevard Way, Oakland.  
COST, \$2500

**SCHOOL**  
(1986) SE E-TWELFTH AND 37th Ave., Oakland. One-story 1-room

frame school.  
Owner—City of Oakland.  
Architect—None.  
Contractor—John R. Faulkes, 9828 E-14th, Oakland.  
COST, \$1250

## SCHOOL

(1987) NE COR. ELMWOOD AND 29th Ave., Oakland. One-story one-room frame school.  
Owner—City of Oakland.  
Architect—None.  
Contractor—John R. Faulkes, 9828 E-14th, Oakland.  
COST, \$1250

## SCHOOL

(1988) E-FOURTEENTH & SIXTY-EIGHTH AVE., Oakland. Two one-story one-room schools.  
Owner—City of Oakland.  
Architect—None.  
Contractor—John R. Faulkes, 9828 E-14th, Oakland.  
COST, \$1200 each

GARAGE  
(1989) SE FORTIETH AND RUBY, Oakland. Garage.  
Owner—J. Bouquett, Premises.  
Architect—None.  
Contractor—J. R. Bonds, 3568 Douglas Oakland.  
COST, \$400

(1990) E SIXTY-NINTH AVE 50 N Hawley, Oakland. One-story 4-room dwelling.  
Owner—E. A. Cook, 1025 68th Ave., Oakland.  
Architect—None.  
Day's work.  
COST, \$600

ADDITION  
(1991) NO. 417 TWELFTH, Oakland. One-story brick addition.  
Owner—Kailer & Harbert, Premises.  
Architect—None.  
Contractor—John Anderson, 874 34th, Oakland.  
COST, \$500

ALTERATIONS  
(1992) NO. 460 TWELFTH, Oakland. Alterations.  
Owner—F. Hartsook, 41 Grant Ave., San Francisco.  
Architect—None.  
Contractor—F. G. Jones, 1217 Webster Oakland.  
COST, \$485

ALTERATIONS  
(1993) NO. 607 TWENTY-EIGHTH, Oakland. Alterations.  
Owner—Fred C. Ruppertz, 611 28th, Oakland.  
Architect—None.  
Day's work.  
COST, \$400

ADDITION  
(1994) NO. 2515 ELSWORTH, Berkeley. Addition.  
Owner—W. F. Harty, Premises.  
Architect—None.  
Contractor—Harry Connolly, 2108 Channing Way, Berkeley.  
COST, \$500

GARAGE  
(1995) NO. 2950 AVALON AVE., Berkeley. Garage.  
Owner—Samuel B. Welsh, Oak Knoll Terrace, Berkeley.  
Architect—None.  
Contractor—F. E. Allen, 2718 Regent, Berkeley.  
COST, \$1000

DWELLING  
(1996) W BEVERLY PLACE 145 N Hopkins, Berkeley. One-story five-room dwelling.  
Owner—Roy O. Long, Elks Club, Bkly. Architect—W. L. Broderick, Colusa & Posen Sts., Berkeley.  
Contractor—H. P. Sheridan, 2815 Grove Berkeley.  
COST, \$3500

ALTERATIONS  
(1997) NO. 2830 CENTRAL AVE., Alameda. Alterations.  
Owner—M. J. Rosseck, Premises.  
Architect—None.  
Contractor—J. C. Howett, 1320 Grove, Alameda.  
COST, \$575

DWELLING  
(1998) NO. 2040 SANTA CLARA AVE., Alameda. One-story 1-room dwlg.  
Owner—Captain Moser, Premises.  
Architect—None.  
Contractor—C. Roth, 2117 Pacific Ave., Alameda.  
COST, \$1700

DWELLING  
(1999) NO. 563 LINCOLN AVE., Alameda. One-story 6-room dwelling.  
Owner—C. A. Arents, 4430 Walnut St., Alameda.  
Architect—None.  
Contractor—Oakley & Kolwodin, 1911 65th Ave., Oakland.  
COST, \$8750

ALTERATIONS  
(2000) NO. 1040 LINCOLN AVE., Alameda. Alterations.  
Owner—Miss M. Dufour, Premises.  
Architect—None.  
Contractor—F. A. Leoni, 453 Noe St., San Francisco.  
COST, \$1000

ADDITION  
(2001) NO. 1818 ST. CHARLES ST., Alameda. Addition.  
Owner—S. Fortayon, Premises.  
Architect—None.  
Day's work.  
COST, \$475

GARAGE  
(2002) NO. 917 PARU, Alameda. Two story garage.  
Owner—W. W. Horkall, Premises.  
Architect—None.  
Contractor—E. A. Randlett, 1534 Chestnut St., Alameda.  
COST, \$800

ALTERATIONS  
(2003) NO. 539 FILBERT, Oakland. Alter one-story dwelling into two-story flats.  
Owner—Pasquale Silvester, Premises.  
Architect—None.  
Contractor—Francis & Carlson, 1281 42nd Ave., Oakland.  
COST, \$2000

APARTMENTS  
(2004) S VAN BUREN AVE 90 E Lenox, Oakland. Two-story 12-room apartments.  
Owner—Mrs. Mary E. Astrue, 3005 Grove, Oakland.  
Architect—J. H. Christie, 6536 Dana, Oakland.  
Contractor—H. Nielsen.  
COST, \$8750

DWELLING  
(2005) W LOMA VISTA AVE 250 N Kansas, Oakland. One-story 2-room

dwelling.  
Owner—N. J. Gould, 829 E-19th, Okd. Architect—None.  
Contractor—W. C. Gould.  
COST, \$650

ALTERATIONS  
(2006) NO. 672 FIFTY-FIRST, Oakland. Alterations.  
Owner—J. G. Herr, Premises.  
Architect—None.  
Day's work.  
COST, \$475

ALTERATIONS  
(2007) FOOT ADELINE ST., Oakland. Alterations.  
Owner—Boiler Makers Union, 1728 Broadway, Oakland.  
Architect—None.  
Contractor—Perry Burlingame, 1232 52nd Ave., Oakland.  
COST, \$475

GARAGE  
(2008) NO. 1820 CARLTON, Berkeley. Garage.  
Owner—Adeline M. Reynolds, Premises.  
Architect—None.  
Day's work.  
COST, \$400

DWELLING  
(2009) SW CLAREMONT BLVD. AND Avalon, Berkeley. Two-story 8-room dwelling.  
Owner—Mrs. J. T. Hamilton, Pittsburg Penn.  
Architect—A. L. Bryant, 1st National Bank Bldg., Oakland.  
Contractor—J. A. Marshall, 5672 Keith, Oakland.  
COST, \$10,000

ALTERATIONS  
(2010) NO. 2735 HASTE, Berkeley. Alterations.  
Owner—T. A. Rickard, Premises.  
Architect—None.  
Contractor—H. C. Kidder, 2075 Addison, Berkeley.  
COST, \$500

GARAGE  
(2011) NO. 2818 STUART, Berkeley. Garage.  
Owner—Mrs. Wright, Premises.  
Architect—None.  
Contractor—D. T. Blethroad, 1732 Milvia, Berkeley.  
COST, \$600

ALTERATIONS  
(2012) NO. 2564 Buena Vista Ave., Berkeley. Alterations.  
Owner—Hazel S. Armstrong, Premises.  
Architect—None.  
Contractor—H. H. Porter, 2563 Buena Vista Ave., Berkeley.  
COST, \$500

DWELLING  
(2013) E FOURTEENTH AVE 200 S Park Blvd., Oakland. One-story 6-room dwelling.  
Owner—J. A. Brown.  
Architect—None.  
Contractor—C. E. Burks, 4152 Randolph Ave., Oakland.  
COST, \$3500

DWELLING  
(2014) E ELEVENTH AVE 40 N E-24th, Oakland. One-story 5-room dwelling.  
Owner—Austine E. Farmer, 1732 Webster, Oakland.  
Architect—None.  
Contractor—Robert W. Farmer, 1789

## Webster, Oakland.

COST, \$2950

## SERVICE STATION

(2015) SE AILEEN &amp; SAN PABLO Ave., Oakland. One-story concrete service station.

Owner—Starr C. Cahill, 1015 56th St., Oakland.

Architect—None.

Contractor—H. B. Williams, Bank of Italy Bldg., Oakland.

COST, \$500

## REPAIRS

(2016) NE THIRTEENTH &amp; CLAY, Oakland. Roof repairs.

Owner—"Money Back" Smith, Prem.

Architect—None.

Contractor—National Roofing Co., 565 16th, Oakland.

COST, \$450

## COMPLETION NOTICES.

## Alameda County.

Sept. 5, 1919—E EVANS AVE 90 S Everett Ave., Okd. Katharine Houck to Harry L. Houck.

Sept. 5, 1919—LOT 13 AND W ½ lot 14 block 16 map Lakeshire Highlands, Oakland. John Bake-well, Jr. to C M MacGregor.

Sept. 11, 1919—S FIFTH-NINTH 45 W Dover 42x560, Okd. I E Thayer Realty Co to whom it may concern.

Sept. 11, 1919—SW FIFTY-NINTH &amp; Dover 45x560, Okd. I E Thayer Realty Co to whom it may concern.

Sept. 12, 1919—LAND BDED by Foothill Blvd, Hilside St, 72d Ave., Garfield Ave and 65th Ave, Okd. Chevrolet Motor Co of Calif by P J Walker Co, Agent to C O Munson.

Sept. 3, 1919

## COMPLETION NOTICES.

## Santa Clara County

Recorded Aug. 29, 1919—LOTS 6 AND 9 BLK 12, Town of Sunnyvale. Minnie L Stowell to whom it may concern.

Sept. 2, 1919—NW RANDOL AVE &amp; Chapman St., in the J B Randol Sbdvn. Clifford R and Bertha P Palmer to A K Burkett.

Aug. 25, 1919

Sept. 3, 1919—COMG at a point in the S westerly line of Heigh St dat thereon 150 ft SE from the intersection thereof with the SW line of Lincoln Ave. John Duffield to whom it may concern.

Sept. 3, 1919

Sept. 5, 1919—LOT 24 Los Altos Orchard Acres. Rose Meliddy to Carl Lindholm.

Aug. 19, 1919

## BUILDING CONTRACTS.

## Santa Clara County.

## CONCRETE BLDG.

FOURTH AND LEWIS STS., San Jose.

Concrete and tile building.

Owner—California Prune &amp; Apricot Growers, Market and San Antonio Sts., San Jose.

Architect—Wallace &amp; Bush, Bank of San Jose Bldg., San Jose.

Contractor—Wallace &amp; Bush.

COST, \$8000

## CONCRETE BUILDING

NO. 333 S-FIRST ST., San Jose. Reinforced concrete building.

Owner—M. Renzel.

Architect—Wallace &amp; Bush.

Contractor—Wallace &amp; Bush, Bank of San Jose Bldg., San Jose.

COST, \$8500

## ADDITION

WEST SANTA CLARA ST., San Jose.

Addition.

Owner—Dr. Higgins.

Architect—None.

Contractor—J. H. Miller, 101 S-16th, St., San Jose.

COST, \$1400

## VAULT

NO. 76 N-FIRST ST., San Jose. Concrete vault.

Owner—San Jose Abstract Co., Prem.

Architect—None.

Contractor—W. A. McDaniels, 542 S-8th St., San Jose.

COST, \$1450

## ALTERATIONS

COR. FIRST AND ST. JOHN STS., San Jose. Alterations and repairs.

Owner—Garden City Abstract Co., 15 W-St. John St., San Jose.

Architect—None.

Contractor—W. A. McDaniels, 542 S-8th St., San Jose.

COST, \$1500

## SERVICE STATION

NW MARKET &amp; SAN CARLOS STS., San Jose. All work for gasoline service station.

Owner—Associated Oil Co., 115 N-First St., San Jose.

Architect—None.

Contractor—R. O. Summers, 17 N-1st St., San Jose.

Filed Sept. 5, '19. Dated Aug. 15, '19.

On completion ..... 75%

Usual 35 days..... 25%

TOTAL COST, \$2989

Bond, \$2989. Surety, Hartford Accident &amp; Indemnity Co. of Conn. Limit, forfeit, none. Plans and specifications filed.

## BUILDING CONTRACTS.

## Sacramento County.

## FRAME RESIDENCE

NO. 1821 "O" ST., Sacramento. Two-story frame residence.

Owner—Mrs. Minnie Duncan, Prem.

Architect—None.

Contractor—Jas. A. McCallough, Sacramento.

Filed Sept. 3, '19. Dated Aug. 26, '19.

COST, \$11,500

## REPAIRS

NO. 2212 "N" ST., Sacramento. Repair fire damage.

Owner—Chan Ho.

Architect—None.

Contractor—G. E. Harvie, 2212 "T" St., Sacramento.

COST, \$2000

## COLUMBARIUM

SACRAMENTO. Columbarium.

Owner—Sacramento Typographical Union, Sacramento.

Architect—None.

Contractor—C. J. Guth, 1516 27th St., Sacramento.

COST, \$1500

Architects Morrow & Garren, Chronicle Bldg., will shortly take figures for the addition of a one-story frame apartment flat for a structure in San Bruno, the estimate cost of which is \$7,000.

## BUILDING CONTRACTS.

## San Mateo County.

## COTTAGE, ETC.

LOTS 3 AND 13 BLK 11, Menlo Park, San Mateo. All work for frame cottage, wood shed, pump house, green house and shop.

Owner—Chas. A. and Ada A. Shurtleff

68 Post St., San Francisco.

Architect—A. Lucy Worswick, 474

New Call Bldg., San Francisco.

Contractor—Weeden Bros., Menlo Park, Cal.

Filed Sept. 11, '19. Dated Sept. ....

Roof on cottage.....\$ 700.00

Cottage plastered ..... 700.00

Cottage completed ..... 858.00

Wood shed completed..... 465.00

Green house, pump house and

shop completed ..... 1293.75

Usual 35 days..... 1339.25

TOTAL COST, \$5356.00

Bond, none. Limit, 60 working days.

Forfeit, none. Plans and specifications filed.

## FRAME DWELLINGS

LOT 6 BLK 5, LOT 4 BLK 8, LOT 6 Blk 9, Ptn Lots 16 and 17 Blk 94;

Ptn Lots 35 and 36 Blk 84, City of Greater San Francisco. All work for five four-room and bath frame and stucco dwellings.

Owner—South San Francisco Land &amp; Improvement Co., South San Francisco.

Architect—None.

Contractor—E. C. Peck Investment Co., Eucalyptus, South San Francisco.

Filed Sept. 6, '19. Dated Aug. 30, '19.

Frame up (each).....\$ 757.50

Roof on (each)..... 757.50

Plastering finished (each).. 757.50

Usual 35 days (each)..... 757.50

TOTAL COST, \$15,150.00

Bond, \$8500. Sureties, J. H. Dittau and F. H. Cunningham. Limit, 150

working days. Forfeit, \$5 per day. Plans and specifications filed.

## BUILDING CONTRACTS.

## San Joaquin County.

## BRICK BUILDING

LINDSAY ST., bet. California and American Sts., Stockton. Brick building.

Owner—Edwin Hess, 1225 N-California St., Stockton.

Architect—None.

Day's work. COST, \$9500

## DWELLING

MAGNOLIA AND ACACIA STS., Stockton. Frame dwelling and garage.

Owner—G. O. Brodin, Stockton.

Architect—None.

Day's work. COST, \$4600

## ADDITION

WEBER AVE. AND CALIFORNIA ST., Stockton. Addition.

Owner—Standard Oil Co., E-Weber Ave. and "C" St., Stockton.

Architect—None.

Day's work. COST, \$4800

## ALTERATIONS

NO. 35 E-MAIN ST., Stockton. Re-model exterior of building.

Owner—Cunningham &amp; Boggs, Stockton, Cal.

Architect—None.

Day's work.

COST, \$2646

## ADDITION

POPLAR ST., bet. Monroe and Van Buren Sts., Stockton. Addition to building.

Owner—Geo. R. McLeod, 311 W. Poplar St., Stockton.

Architect—None.

Day's work. COST, \$2000

## RESIDENCE

NORTHWESTERN ADDITION, Stockton. Frame residence.

Owner—Stockton Land Association, Stockton.

Architect—None.

Day's work. COST, \$2950

## REPAIRS

No. 417 "N" ST., Sacramento. Repair fire damage.

Owner—Chan Ho.

Architect—None.

Contractor—Herndon &amp; Finnegan, 1714 16th St., Sacramento.

COST, \$1838

## COMPLETION NOTICES.

## Fresno County.

Recorded Accepted  
Sept. 5, 1919—LOTS 7 AND 8 BLK  
2, La Sierra Tract, Fresno. V H  
Snoddy to whom it may concern...  
.....Sept. 5, 1919

## BUILDING CONTRACTS.

## Fresno County.

## DWELLING

LOTS 22 AND 23 BLK 18, North Park, Fresno. Frame dwelling and garage.

Owner—L. R. Packwood, 126 Forsyth Bldg., Fresno.

Architect—None.

Contractor—Shorb &amp; Neads, 127 Fresno Ave., Fresno.

COST, \$7000

## DWELLING

LOTS 1 AND 2 BLK 16, North Park, Fresno. Frame dwelling and garage.

Owner—F. J. Haber, 1245 "I" St., Fresno.

Architect—None.

Contractor—M. C. R. Nelsen, 1247 "I" St., Fresno.

COST, \$10,000

## DWELLING

LOTS 60 AND 61, Earlhurst, Fresno. Frame dwelling.

Owner—John Miller, Fresno.

Architect—None.

Contractor—Morris Bros., 2031 Lewis St., Fresno.

COST, \$2800

## DWELLING

BLK 7, Hillcrest, Fresno. Frame dwelling and garage.

Owner—L. H. Phillips, 1805 "J" St., Fresno.

Architect—None.

Day's work. COST, \$4000

## DWELLING

LOTS 40 AND 41 BLK 11 Altamont Addition, Fresno. Frame dwelling and garage.

Owner—Mrs. I. S. South, 419 "M" St.,

Fresno.

Architect—None.

Contractor—C. V. Smith, Fresno.

COST, \$3968

## STORE BUILDING, ETC.

LOTS 24, 25 AND 26 BLK 95, Fresno. One-story fireproof restaurant and store building.

Owner—C. Jovanovich and M. Rasmussen, 938 Van Ness, Fresno.

Architect—R. F. Felchin Co.

Contractor—R. F. Felchin Co., Rowell Bldg., Fresno.

COST, \$22,000

## ALTERATIONS

No. 3125 TULARE ST., Fresno.

Alterations.

Owner—Mrs. C. Griffith, 173 Valeria St., Fresno.

Architect—None.

Contractor—E. J. Farr, 249 Fortcamp St., Fresno.

COST, \$1500

## BIDS OPENED FOR ST. FRANCIS HOSPITAL BUILDING.

SAN FRANCISCO—The following bids were opened September 12th by Architect J. I. Coffey, and the Directors of the St. Francis Hospital Association for the proposed new Class "A" additions at Bush and Hyde streets. The bids were taken under advisement.

## General Contract Including Carpenter Work, Mill Work, Roof, Hardware and Glass.

P. F. Reilly.....	\$74,800
Wegner & Blob.....	75,625
Monson Bros.....	77,000
Branch & Coffey.....	79,610
J. J. Leonard.....	80,000
Ira Coburn.....	84,620
Barrett & Hilp.....	85,368

## Concrete Work.

Branch & Coffey.....	\$ 86,408
Mission Concrete Co.....	93,655
Monson Bros.....	96,700
K. E. Parker.....	100,900
Martin M. Fennell.....	100,986
P. Hurley.....	107,000
Barrett & Hilp.....	112,965
J. J. Leonard.....	120,000
Bos & O'Brien.....	122,517

## Plastering.

J. Greenback.....	\$44,313
P. Bradley.....	53,970
F. O'Reilly.....	54,684
Lyden & Bickel.....	54,935
C. C. Morehouse.....	55,320
H. Bosch.....	55,600
A. Knowles.....	56,000
MacGrner & Co.....	56,680
W. G. Gilmour.....	56,900
G. E. Whitmore.....	57,362
L. Bosch.....	57,860
Jas. F. Smith.....	63,775
B. Melane.....	67,736

## Grading.

A. J. Reeder.....	\$10,990
Bos & O'Brien.....	11,343
Carlin Grading Co.....	11,980
Eureka Teaming Co.....	13,385
Maurice Dillon.....	13,750
H. H. McClure.....	15,000
Sibley Grading & Teaming Co.....	16,500

## PAINTER MIXED; PAINTS SCHOOL HOUSE, BUT IT'S WRONG ONE.

The Ukiah Press in its issue of September 5th has the following to say: All school houses look alike to G. A. Keller, well known local painter and paper hanger.

A few days ago he was engaged to

paint and re-paper the Willow school house, on the state highway south of this city. So he loaded his crew into an automobile and headed south. The job was finished in a few days, and a beautiful job it was. The old school building fairly sparkled in its dress of new paper and new paint. Keller was justly proud of his work of art.

Then came the awful awakening. He found that he had gone past the Willow school, and had painted and papered the Lima school house, near Largo.

## BRONZE MEMORIAL CONTRACT AWARDED.

FAIRFIELD, Solano Co., Cal.—The Solano County Supervisors have awarded a contract to the O. L. De Rome Foundry Co., 1076 59th St., Oakland, for the construction of bronzes Memorial to commemorate the memory of the Solano County boys who lost their lives in the great world war. The monument will cost about \$2,500.

## August Building Figures Go "Over the Top".

## City Building Records Show More Than Two, and One-half Million Expended in Private Building.

That the building industry is confronted by a business heretofore unknown is shown by the activities of the past month. While a shortage of labor and materials exists in various parts of the country, they seem to have little effect on the situation in San Francisco and vicinity. Increased activities are reported from every section.

During the past month Chief Inspector of Buildings John P. Horgan reports the issuance of 547 building permits representing an expenditure of \$2,565,859, and which is segregated as follows:

"A".....	3	\$ 915,535
"B".....	2	285,000
"C".....	24	564,970
Frames.....	80	420,393
Alterations.....	436	320,251
Harbor Bldgs.....	2	59,710

Total 547 \$2,565,859  
For the same period during the year 1918 the records of the Building Bureau show 324 permits granted representing a total of \$568,528, and of this amount \$198,782 was for work carried on by the municipality and the State Board of Harbor Commissioners.

Considering the figures of the past month, it might be said that San Francisco has entered upon its "after the war" building program—despite the so-called high prices, labor shortage and scarcity of material.

Architect Sidney B. Newsom, Nevada Bank Bldg., is taking segregated figures for a two-story and basement frame and brick veneer residence to be erected in Piedmont, Alameda County, for H. W. Harrold. The building will contain fourteen rooms and five bathrooms. A separate garage with living quarters is also provided for. The building will cost \$30,000.

## FREE EXPERT ADVICE TO THE PUBLIC.

(Continued From Page 4)

ners, and dean of the department of civil engineering at the University of Illinois, who is known as the Father of the Reclamation Service, has the following interesting comment to make on the subject just touched upon, after an extended trip through the eastern and western parts of the United States:

"The greatest activity is in highway building. At this time there is a scarcity of experienced men. Money is being wasted for this reason. The general enthusiasm on the part of the public for good roads is apt to have a severe setback when the fact is discovered that many of the politically-appointed boards of supervisors—not engineers—are wasting the funds on experiments and schemes not approved by experienced engineers. It is the duty of local chapters and clubs of the American Association of Engineers to bring this matter to the attention of the voters of their respective communities in order that existing deficiencies in organization may be corrected and that the appointment of incompetents to offices requiring engineering training of the incumbent may be stopped."

Such action has already been taken by several of these local bodies of engineers. The Pittsburgh Chapter has commenced the practice of investigating the record and qualifications of candidates for county commissioner. When a citizen announces his candidacy for such an office, a special committee is appointed by the chapter to investigate his record. This committee finds out first if the candidate is an engineer; if he is, whether he has a clean record, and whether he belongs to any of the engineering societies; if he is not an engineer whether he has had experience in business which would qualify him fairly well for such an office. When the committee has made a complete investigation, the chapter considers at a meeting the data obtained, and listens to the presentation of the applicant's qualifications and intentions by the applicant himself, who has been invited to attend the meeting. The candidate is then either endorsed or not through the press.

Such a procedure is becoming more and more general by the local bodies of the A. A. E. In California, the Fresno Chapter has not confined its activities to endorsement or rejection of individual candidates, but has established the practice of investigating and advising the public concerning the merits and demerits of bond issues, special elections, etc. A special election was recently called in that locality at which a special tax to provide funds for the relief of existing deficits was to be voted upon. The chapter considered the whole matter after having had a committee report on it, and decided that the election was the only practicable means of remedying the situation. The next day it issued a special notice to all taxpayers, setting forth the reasons why this group of engineers believed that the special election was the only means of raising the money required, and requesting everyone in the country to vote on

election day, and vote "yes." An exceptionally large vote resulted, and the special tax was affirmed by a large vote.

Local chapters have been taking action on national questions as they were considered by Congress for sometime, but consideration has usually been confined to those bills which deal with public works, or which require in their framing expert engineering counsel. One of the bills which has been given almost universal support by local bodies of A. A. E. is the Townsend Bill, which provides for the creation of a national highway commission to have full charge of the construction of all national highways. This act has been considered by many local organizations of A. A. E. and has been almost universally approved by the membership on account of the construction measures in highway construction which it contains. Another bill before Congress which is receiving the united support of engineers is the Jones-Reaves Bill, which provides for a National Department of Public Works. In the September number of the *Monad*, the official publication of the American Association of Engineers, this bill is referred to as follows:

"Probably the most important measure ever advocated by the engineers of the United States is the Jones-Reaves Bill providing for the establishment of a National Department of Public Works, which has been introduced into both houses of Congress at the request of the Engineers', Architects', and Constructors' Conference on National Public Works."

This bill is designed to consolidate all the civil engineering activities of the government in one department. At the present time there exists the greatest hodge-podge of organization of such activities; the supervising architect's office is a part of the Treasury Department; the Coast and Geodetic Survey, which is charged with mapping coasts and charting waters, and which is made up of hundreds of engineers, is a part of the Department of Commerce; the Bureau of Standards is likewise a part of that department, the Bureau of Public Roads and the Forest Service are attached to the Department of Agriculture. All these subdivisions of the government are engineering activities, and such can be administered with the greatest economy if they are grouped into one department where they can be directed by a competent head, and where they will be free from the petty intra-department politics. Such a department would conduct the civil engineering activities of the government on a sane basis, and would do away with the present inefficient, hand-to-mouth means of building our great public works. The United States is the one and only nation, with one exception, who does not administer its public works through such a department. In attempting to have such a bill passed and thus stop the present waste of public funds, the engineers of the nation are performing a great service.

Services to the public on the part of engineers will not be limited to such national questions which affect the great body of citizens only indirectly. The investigation of candidates for public offices should be filled by men

who are competent to direct engineering or allied activities; the investigation of proposed public works, such as municipal bridges, buildings, water works, sewage disposal plants, and highways, railroad grade-crossing eliminations, and other improvements in which the public has a vital interest and in the determination of the practicability of which there is required expert investigation; in such ways will the engineering profession perform its great free service to the public.

Chapters and clubs of the American Association of Engineers are being formed so rapidly throughout the United States that it is almost impossible to maintain an up-to-date list of them. Some of these chapters will themselves be of great size before long, the Chicago Chapter already has over a thousand members. The effect of the war on the younger engineers is to give them a new faith in engineering works as a result of the great success of engineering machinery in the war, and a broad outlook which no longer limits their field of vision to their own little communities. They are throwing their energies into public service, and the American Association of Engineers is directing these energies toward the building up of great local bodies of the Association which will serve the public body through their own efforts, and the nation by the co-ordination of their efforts through the National Headquarters of A. A. E.

## DO YOU WANT TO KNOW—

about building and engineering improvements going on or planned in the States of California, Oregon, Washington, Arizona and Nevada?

## DO YOU WANT TO KNOW—

how to keep in touch with work that will result in a continual stream of business for you?

## DO YOU WANT TO KNOW—

when an engineer or architect has been commissioned to prepare plans and specifications for an improvement?

## DO YOU WANT TO KNOW—

when plans for a building or engineering project are being figured?

## DO YOU WANT TO KNOW—

who is awarded contracts for building and engineering projects?

Then subscribe for the L. A. Larsen Construction Reports.

Every business day of the year they will bring you up-to-the minute prospects.

Larsen Reports furnish the "tips"—you get the business.

Sample copies sent on request—free of charge.

Bonds of \$350,000 were recently voted by the City of Modesto to finance the construction of school improvements. The issue will provide \$185,000 for altering and remodeling the four grammar schools, and \$165,000 for enlarging the present high school, and the construction of a gymnasium. C. R. Gailfus is President of the Board of Education.

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marquises  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum  
General Mill and Cabinet Work, Stock Doors, Sash Frames  
and Moldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLICH  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
OREGON MAPLE-PLAIN OAK  
QUARTERED OAK-  
WYBROCK BENDING OAK  
POPLAR-WALNUT



BOXWOOD-EBONY-IRONBARK  
JENISERO-NIA-SPANISH CEDAR  
LIGNUM-VITAE-MAHOGANY  
ROSEWOOD-TEAK-REY BEAN  
SHITTED GUM-OKASIAN WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
DOWELS-TREENAILS-VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUITZ Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

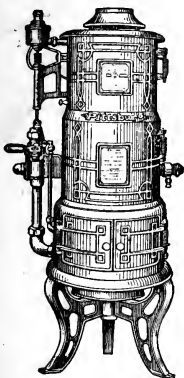
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., September 24, 1919

Published Every Wednesday  
Nineteenth Year, No. 39



## A BIG THING

New Model No. 65

"Pittsburg-  
Bungalow"

Automatic Water  
Heater.

Capacity three gallons  
per minute.

Just the size to fit the  
average two-story home  
or nice Bungalow.

A "Pittsburg" Automatic Gas  
Water Heater installed in the  
home indicates high quality  
throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not  
contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill. ....	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago .....	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago .....	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago .....	TREASURER
C. E. DRAYER .....	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng., Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry., Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

### San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F. Cal. ....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal. ....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal. ....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co. ....	FIRST VICE-PRESIDENT
F. J. JOHNSTON, Service Manager Union Construction Co. ....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co. ....	THIRD VICE-PRESIDENT

#### EXECUTIVE COMMITTEE

J. H. Knowles.....	W. P. R. R.
L. D. Howland.....	C. C. Moore Co.
J. F. Johnston.....	Nylon Const. Co.
I. G. Grundel.....	Union Oil Co.

#### AUDITING COMMITTEE

T. H. Brown.....	S. P. R. R.
E. B. Crane.....	C. M. & P. S. Ry.
P. J. Rowell.....	I. C. C.

#### COMPENSATION COMMITTEE

G. M. Nelson.....	Consulting Eng.
E. V. Vandercook.....	S. P. R. R.
W. T. Cleland.....	Chief Dep. Sur. Santa Clara Co.
V. D. Cousins.....	P. T. & T. Co.

#### FELLOWSHIP COMMITTEE

W. H. Rupp.....	S. P. R. R.
F. J. Amweg.....	Consulting Eng.

#### MEMBERSHIP COMMITTEE

D. L. Reynolds.....	Pac. Fruit Ex. Co.
F. J. Amweg.....	Sonsulting Eng.
W. H. Rupp.....	S. P. R. R.
E. D. Brown.....	Redwood Mfrs. Co.
Clarence D. Stone.....	S. P. Co.
A. B. Hartley.....	S. P. Co.
H. W. Shrieber.....	City of Oakland
P. E. Gelbel.....	S. P. Co.
C. B. Newberry.....	Inter. Com. Com.
J. F. Johnston.....	Union Const. Co.
E. V. Vandercook.....	S. P. Co.

#### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.
W. S. Wollner.....	N. W. P. Co.

#### QUALIFICATION COMMITTEE

W. H. Phelps.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.

#### PUBLICITY COMMITTEE

E. D. Brown.....	Redwood Mfrs. Co.
G. M. Nelson.....	Consulting Eng.

#### POLITICAL COMMITTEE

E. H. Herbert.....	Oliver Mfg. Co.
--------------------	-----------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.,  
Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHARTER CLUBS:

### SACRAMENTO CHAPTER

Lathrop, H. A. ....	Secretary
1321 Thirty-third St.,	
Sacramento - - -	California

### LOS ANGELES CHAPTER

Harris, A. L. ....	Secretary
1104 Central Building	
Los Angeles - - -	California

### PORTLAND CHAPTER

Barnes, R. W. ....	Sec. & Treas.
36 Union Station	
Portland - - -	Oregon

### FRESNO CHAPTER

Jean L. Vincenz.....	Secretary
P. O. Box 922	
Fresno - - -	California

### SAN DIEGO CHAPTER

Grumm, Fred.....	Secretary
2898 Spruce Street	
San Diego - - -	California

### SAN BERNARDINO CLUB

Woods, M. A. ....	Secretary
608 Tenth Street	
San Bernardino - -	California

### EUREKA CLUB

Howard, F. W. ....	Secretary
Eureka - - -	California

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
560 Mission Street.  
Telephone—Douglas 3272.

J. P. FARRELL.....Exchange Editor

# American Association of Engineers

FRESNO CHAPTER, A. A. E.

Minutes of Meeting at Commercial Club, Sept. 13, 1919.

The meeting was called to order by temporary Chairman L. E. Smith at 30 p. m., with about 35 members and friends present. Messrs. Rantsma, Jensen and Morrison were appointed to nominate officers for the Chapter for the ensuing year. During their conference, Mr. Smith announced that he was being transferred by the Santa Fe R. R. from Fresno to the south, and that he would be unable to be with us after this evening.

Mr. I. Tellman, manager of the Fresno Canal & Land Co., and Mr. D. W. Chamberlin, assistant engineer of the Fresno County Highways, were called upon and spoke briefly of their work and their attitude toward the local Chapter of the A. A. E.

Mr. Rantsma then presented the report of the nominating committee: for President, D. W. Chamberlin and Clarence Murray; for Secretary, Jean L. Vincenz; for Treasurer, Clarence Murray and A. Segel; for 1st Vice-President, R. E. Cowell and Wm. P. Vinton; for 2nd Vice-President, F. B. Pope and E. C. Smith; for 3rd Vice-President, W. F. Rantsma, Andrew Jensen and A. R. Morrison. There being no more nominations made from the floor, voting by ballot elected the following officers: President, D. W. Chamberlin; Secretary, Jean L. Vincenz; Treasurer, Clarence Murray; 1st Vice-President, R. E. Cowell; 2nd Vice-President, F. B. Pope; 3rd Vice-President, A. R. Morrison.

With Mr. Chamberlin in the chair, it was moved, seconded and carried that a standing vote of thanks be extended to Mr. L. E. Smith for his loyalty, hard and successful work in organizing the Fresno Chapter.

Moved, seconded and carried that the President and the three Vice-Presidents be elected as the executive committee.

Messrs. Rantsma, Jensen and E. C. Smith were nominated as the auditing committee. Moved, seconded and carried that nominations be closed. Nominees elected.

Moved, seconded and carried that the Treasurer collect 50c from all members present to meet the deficit and current expenses.

Moved, seconded and carried that the Secretary be instructed to send a vote of thanks to the Commercial Club for the generous use of their club rooms for our meetings.

Moved, seconded and carried that the Secretary inform the National Committee of the A. A. E. that the Fresno Chapter is in favor of keeping the entrance fee as it is till the next annual convention.

Moved, seconded and carried, that the Secretary should buy a book for keeping the signatures of all members and friends at each meeting; and that the Treasurer should allow the Secretary not more than \$2.00 for the purchase of said book.

Mr. Morrison read a letter from National Headquarters, and it was moved, seconded and carried that the executive committee form a condensation of this letter, have copies made of the same and mailed to all members for their use.

Moved, seconded and carried that each member should endeavor to secure two or more members before January 1, 1920.

Meeting adjourned.

JEAN L. VINCENZ,  
Secretary.

## NEWS ITEM.

The Eureka Club has elected the following: President, H. H. Hannah; Secretary, F. W. Howard; Treasurer, E. D. Gardner; Social Promoter, E. J. McCracken.

## PRESIDENT NEWELL IN SOUTHERN CALIFORNIA.

### Report of Visit to Los Angeles Chapter.

It is certain that the stir in engineering circles caused by hearing President Newell's views on conditions in the profession and the work of the American Association of Engineers at the time of his visit to Los Angeles has greatly helped the reputation of the Association in this vicinity. The prestige of our President among engineers in this region is very great, due to his dominating part in the work of reclamation of western lands, and for the same reason he has many personal friends within that profession and among public spirited people on the coast. These facts alone guaranteed a most sympathetic attitude and respectful attention to his ideas from the hundred or more men of all branches of the profession who gathered at the banquet given by the Los Angeles Chapter at the City Club on Friday evening, August 29th.

Remarks made both in the discussion that followed the President's address

on "Problems of the Modern Engineer," and privately by non-members of our Association and engineers known to be leaders in other organizations, were most hearty in their recognition of the accuracy of Dr. Newell's analysis of the situation today of the "Profession of Ingenuity," or Engineering. It was as if the majority had had the speaker's ideas in their sub-conscious minds all along and only needed to hear them expressed by one possessed of their confidence to produce conviction. As one frank consulting engineer of experience and good judgment related in the free-for-all discussion after the address:

"I received some literature by mail a while ago about this new society called the American Association of Engineers; looked at it, and threw it into the waste basket, muttering to myself, 'Another one of those confounded fool new societies' Too many of them already" But I begin to think it may not be so foolish after all."

These salient points, among many others, were received with audible approval:

(a) The engineer is pre-eminently the "man of ingenuity, and works particularly from his ears up." He is also, as a type, a man of altruistic and generous attitude towards the world in general. His desire for compensation up to the value of his services is not so much from sordid selfishness as to increase his capacity for efficient work in the profession of his choice, by relieving himself of worry over obtaining the necessities of life. He loves his work!

(b) A real engineer does not naturally line up with labor union policies and attempts to place him under labor control have failed. The engineer believes in increased efficiency and output. The union strives for an average standard of efficiency and limitation of output. The A. A. E. is in no sense a labor union.

(c) It is one object of the A. A. E. to help bring the individual engineer to the position that fits his particular abilities. This promotes efficiency and good name for the profession.

(d) We must learn self-expression and overcome our reputation for unresponsiveness in public affairs.

(e) This is a "political organization," in the right and honorable sense of the term, but not a partisan one.

(f) Engineers ask only the worth of what they produce, and, as a means of getting the value of this, the A. A. E. proposes to demonstrate to the public what the profession does produce.

(g) The public and public officials must be educated as to what an engineer is and what he is able to do. We must see to it that public offices, calling for engineering ability, must be filled only by engineers!

(h) Public respect for the profession is often measured by amount of compensation known to be received.

(i) Organization—the power of men when acting “in masses” is a characteristic conviction of humanity in these times. Engineers must fall in line with this idea or find their influence as a class without substantial effect.

It is believed that the representative engineers of Southern California are not so surprised at these doctrines as relieved and pleased to find that a national organization of 6500 members, and growing at the rate of 1,000 per month, actually exists and is now attacking the welfare and human problems of the profession under reliable and well-known leaders, to the undoubted benefit of all concerned.

The courtesy of presiding at the banquet and open meeting was extended by Chapter President Shibley to President H. Z. Osborne, of the Engineers and Architects Association of Southern California, a Los Angeles technical organization of some 300 members, in which the proposition of joining the A. A. E. as a body is now being canvassed.

Dr. Newell had opportunity after the meeting and the following day to feel the engineering pulse in many personal private interviews with engineers of all sorts. The officers and committees of the Los Angeles Chapter, representing some 60 members, and a score or more of applicants, held a lively executive session with the National President and kept up a running fire of questions and opinions on all sorts of Association matters. The officers of the Engineers' and Architects' Association were present at this session and were considered as belonging to the family. Said family bids fair to increase to some 400 or 500 members before the end of the year, a result which, if attained, will be largely attributable to the force of influence and example of President Newell. We believe that these personal visits of National officers will generally, as in the present case, be found to fully justify the trouble and expense involved.

A. L. HARRIS, Secretary.  
Los Angeles, Calif., Sept. 4, 1919.

#### NEWS FROM NATIONAL HEAD- QUARTERS.

A State convention of the engineers and architects of Ohio will be held in Columbus, Ohio, on October 14 and 15, under the auspices of the Association of Ohio Technical Societies. Four principal subjects will be advanced. M. O. Leighton, chairman of the Engineers', Architects' and Constructors' Conference, will speak on “The National Department of Public Works”; Dr. F. H. Newell, of the American Association of Engineers, will speak on “Closer Cooperation in the Engineering Profession”; Charles Whiting Baker, consulting editor of the Engineering News-Record, will address the convention on the “Compensation of Engineers and Architects”; and Professor Gardner S. Williams, of the University of Michigan, will discuss the “Registration of Engineers and Architects.”

The North Carolina Society of Civil Engineers has voted to proceed with the consolidation with the American Association of Engineers, and to carry out the affiliation as soon as the committee appointed to conduct the negotiations has completed its work. The president of the society is Dr. W. C. Riddick, President of North Carolina State College.

A 32-page progress report issued recently by the railroad committee of the American Association of Engineers contains the entire story of the negotiations which have been carried on by the Association relative to increased salaries of railroad engineers, and which have been highly successful. The salary case of the railroad professional engineer was championed for the first time last October, when the Association asked the wage board of the administration for a hearing at which the claims of these engineers might be presented. This hearing was finally obtained last March, just after a conference had been held in Chicago by the Association at which several hundred engineers adopted schedules of salaries for various positions which were underpaid. The hearing resulted in favorable action by the wage board, and the point was almost reached where the board was to issue a wage order placing new salaries into effect over the entire country. The movement for higher salaries looked like a complete success. Then came the blow. The administration took the matter out of the hands of the wage board. The Director of the Division of Operation advised National Headquarters of A. A. E., however, that regional directors had been given authority and instructions to make proper adjustments of salaries in their respective regions. It was then necessary to conduct independent negotiations with each regional director. This occupied the railroad department of the Association for almost three months; until, finally, the Northwestern Region issued the first order which has been issued in any region and which granted increases in salaries which brought the new rates approximately up to those which had been recommended by A. A. E. Since then the Eastern Region has announced that its new rates for professional engineers are ready in the rough, although they are not yet printed for distribution. Results are expected also in two other regions before the first of October. The report gives a resume of the history of the case to date, including reproduction of some of the correspondence. It will be mailed to interested persons who send their names to National Headquarters at 63 East Adams street, Chicago, as long as the surplus copies last.

Frank B. Roth of Philadelphia has accepted the position of chief engineer of the Lehigh Structural Steel Co., of Allentown, Pa. He was formerly President of the Philadelphia Chapter of the American Association of Engineers.

The committee of the American Association of Engineers on salaries of engineers in public service has been increased by the addition of J. H. Prior, consulting engineer of Chicago, who is also a member of the Board of Directors of the Association. The mu-

nicipal section of this committee has been partially organized with S. C. Hadden, editor of Municipal County Engineering as chairman. The remainder of the committee will consist for the present of municipal engineers chosen with a view to giving adequate representation to every part of the country. The state highway engineer section has completed a tentative compensation which will soon be sent generally to highway engineers through the United States for suggestions and criticism. Plans are being formulated for the organization of another section, as well as the state highway engineer section, which will be headed by A. N. Johnson, consulting highway engineer of the Portland Cement Association. It is expected that the state highway engineer schedule will be made public in November. The municipal schedule, it is hoped, will be ready for publication in December.

After September 20 address the American Association of Engineers at 63 East Adams Street, Chicago.

#### HIGHWAY MAINTENANCE. By G. M. N.

##### II.

Millions have been voted for road construction and millions will be voted for road construction, but the people have so far been giving little heed to what they are getting for their money. They have been ~~officially~~ told that so many miles have been built, and that has satisfied them so far, but it is not likely to keep on satisfying them very long. When the taxpayers after paying for the construction of roads that won't stand the ~~gaff~~ on the heavily traveled routes are being asked every two years to supply more funds in an ever-increasing ratio to maintain—that is reconstruct—these same roads they commence to feel that miles of roads also mean miles of reconstruction. If the taxpayer in addition hereto starts figuring out how many years he still has to pay on the first bond issue and that for every new bond issue he piles on himself the price of road making materials and automobiles is climbing still higher, he—the taxpayer—is liable to take a sudden flop in the opposite direction and put a heavy boot on any and all expenditures for road construction. Road construction has so far not taken into consideration the development of the automobile truck as a carrier of the products of the farm, the mines and the mills from the point of production to the main railroad lines. The auto truck is with us to stay and will in the future play a very great part in the economical handling of all kinds of freight, both perennial and seasonal, and the road engineer must give heed to this development, not by arbitrary rules and police orders but by an intelligent study of what part of the increasing bulk of both the traffic and the load shall be met by a more durable road, and what part shall be met by a limitation on the load. We shall attempt to analyze the truck situation as it exists today and point out the effect it is likely to have on our whole road policy. On September 7 there appeared in the San Francisco Examiner a full page announcement by the “Shoe by Truck” Bureau of the Firestone Tire Co., of which we extract the following:

**SHIP BY TRUCK.****And What It Means.**

In the business reconstruction which is destined to make greater demands on the transportation agencies of the country than any known heretofore "Ship by Truck" furnishes the answer to a host of questions which cannot be answered in any other way.

Agriculture, manufacturing, commerce, are every day relying more and more on "Ship by Truck."

The merchant who must have quick delivery is utilizing the truck, at once powerful and ubiquitous, to get goods to his customers on the shortest notice.

In the problems of wholesale shipping—carrying commodities from the factory to the railroad station, raw material from the railroad to the factory, or goods from the station to the wholesale or retail store—again truck freighting represents a vast volume of traffic which is continually on the increase.

So with the farmer, with the help of the truck, he can sell his products in his own vicinity, and then dispose of his surplus in the neighboring city.

The truck meets the requirements both of local and general freight traffic. It is the only carrying device which perform this dual function. It, and it alone, bridges the gap between railroad or waterway traffic, and the traffic which is localized.

It was the war which gave what was, up to then, the culminating demonstration of the capabilities of "Ship by Truck." Trucks kept open the communications of Verdun, when the railroads were cut by the German fire.

The military efficiency of the truck, proven in every campaign in Europe and in the big role of trucks in forwarding military supplies from the interior to the Atlantic seaboard of this country, is now to find its fitting sequel in nation-wide use of truck freighting for the agricultural, industrial and commercial purposes of the peace era. Ship by Truck.

**Truck Transportation Companies Operating Out of San Francisco and Oakland.**

Route No. 1—Distance: 100 miles round trip. Schedule daily, 6 companies operating. San Francisco to San Jose via Palo Alto. Covers Colma, Millbrae, Burlingame, San Mateo, Belmont, San Carlos, Redwood City, Menlo, Palo Alto, Mountain View, Santa Clara, San Jose.

Route No. 2—Distance: 42 miles round trip. Schedule daily, 1 company operating. San Francisco to San Rafael via Fairfax. Covers, Sausalito, Corte Madera, Larkspur, Kentfield, Ross, San Anselmo, Fairfax, San Rafael.

Route No. 3—Distance: 18 miles round trip. Schedule daily, 1 company operating. San Francisco to Mill Valley via Sausalito. Covers Sausalito, Mill Valley.

Route No. 4—Distance: 4½ miles round trip. Schedule daily, 1 company operating. San Francisco to Sausalito. No intermediate points.

Route No. 5—Distance: 80 miles round trip. Schedule daily, 1 company operating. San Francisco to Livermore via Oakland. Covers Oakland, Elmhurst, Melrose, San Leandro, Hayward, Dublin, Santa Rita, Livermore.

Route No. 6—Distance: 20 miles round trip. Schedule daily, 7 companies operating. San Francisco to Berkeley via Oakland.

Route No. 7—Distance: 15 miles round trip. Schedule daily, 7 companies operating. San Francisco to Piedmont via Oakland.

Route No. 8—Distance: 20 miles round trip. Schedule daily, 7 companies operating. San Francisco to Alameda via Oakland.

Route No. 9—Distance: 20 miles round trip. Schedule daily, 7 companies operating. San Francisco to Melrose via Oakland.

Route No. 10—Distance: 180 miles round trip. Schedule daily, 2 companies operating. San Francisco to Sacramento via river steamer. Connects with truck lines operating to Dixon, Winters, Davis, Folsom, Auburn, Placerville, Roseville, Wheatland, Marysville, Yuba City, Gridley, Chico, Tehama, Red Bluff and Redding out of Sacramento.

Route No. 11—Distance: 180 miles round trip. Schedule daily, 2 companies operating. San Francisco to Stockton via river steamer. Connects with truck lines operating to Fresno and way points, Lodi, Oakdale and Sonora out of Stockton.

Route No. 12—Distance: 120 miles round trip. Schedule daily, 1 company operating. San Francisco to Napa via river steamer. Connects with truck lines operating out of Napa.

Route No. 13—Distance: 194 miles round trip. Schedule daily, 1 company operating. Oakland to Sacramento via river steamer. Connects with truck lines operating to Dixon, Winters, Davis, Folsom, Auburn, Placerville, Roseville, Wheatland, Marysville, Yuba City, Gridley, Chico, Tehama, Red Bluff and Redding out of Sacramento.

Route No. 14—Distance: 194 miles round trip. Schedule daily, 1 company operating. Oakland to Stockton via river steamer. Connects with truck lines operating to Fresno and way points, Lodi, Oakdale and Sonora out of Stockton.

Route No. 15—Distance: 134 miles round trip. Schedule daily, 1 company operating. Oakland to Napa via river steamer. Connects with truck lines operating out of Napa.

Route No. 16—Distance: 12 miles round trip. Schedule daily, 7 companies operating. Oakland to San Francisco.

Route No. 17—Distance: 50 miles round trip. Schedule daily, 1 company operating. Oakland to Niles via Hayward. Covers Melrose, Elmhurst, San Leandro, Hayward, Niles.

Route No. 18—Distance: 60 miles round trip. Schedule daily, 1 company operating. Oakland to Irvington via Niles. Covers Melrose, Elmhurst, San Leandro, Hayward, Niles, Irvington.

Route No. 19—Distance: 24 miles round trip. Schedule daily, 1 company operating. Oakland to Richmond via Berkeley. Covers Berkeley, Albany, El Cerrito, Richmond.

Route No. 20—Distance: 155 miles round trip. Schedule daily, 1 company operating. San Francisco to Stockton via Livermore. Covers Oakland and Stockton only. No way points.

Route No. 21—Distance: 30 miles round trip. Schedule daily, 1 company operating. Oakland to Hayward via

San Leandro. Covers Melrose, Elmhurst, San Leandro, Hayward.

Route No. 22—Distance: 110 miles round trip. Schedule daily, 1 company operating. Oakland to Mountain View via San Jose and Saratoga. Covers Melrose, Elmhurst, San Leandro, Hayward, Niles, Centerville, Irvington, Warm Springs, Milpitas, San Jose, Saratoga, Cupertino, Sunnyvale, Mountain View, Alviso on return trip.

Route No. 61—Distance: 88 miles round trip. Schedule daily, 1 company operating. Oakland to San Jose via Niles. Covers Melrose, Elmhurst, San Leandro, Hayward, Niles, Centerville, Irvington, Warm Springs, Milpitas, San Jose.

Route No. 62—Distance: 36 miles round trip. Schedule daily, 1 company operating. San Francisco to Pt. Richmond via Oakland. Covers Oakland, Berkeley, Albany, El Cerrito, Stege, Richmond, Pt. Richmond.

Route No. 86—Distance: 104 miles round trip. Schedule 3-4 trips weekly, 1 company operating. San Francisco to Santa Rosa via Sausalito. Covers Sausalito, Corte Madera, Larkspur, Kentfield, Ross, San Rafael, Ignacio, Novato, Petaluma, Penngrove, Santa Rosa.

Besides these there are 69 trucking companies in San Francisco that will go any where any time, and 114 trucking companies in Oakland, Berkeley and Richmond prepared to do the same thing.

**Attention** It will pay you to send us at once the information called for below.

Shippers, manufacturers, merchants and farmers are invited to get in touch with our Ship by Truck Bureau for information regarding motor express routes and lines covering their requirement. Let us know what you have to ship, in what volume, with what frequency, to what destination, etc.

**Motor Express Operators:** Send to our "Ship by Truck Bureau" all information of interest to shippers, such as the route or routes you cover, tonnage capacity of trucks, schedule under which you operate, rates, etc.

**Ride by Stage.**

California has taken the lead in developing a network of efficiently operated automobile stage lines, connecting populous centers and tapping heretofore inaccessible districts for the general good.

"Ride by Stage" should be the watchword of present day travelers who wish not only to enjoy the scenic beauties of this State, but to reach their destinations quickly and economically.

When you next have occasion to travel, find out if a stage will take you there—"Ride by Stage."

The above shows not only organized activity among truck companies, but also the formidable impetus given this movement by the truck and tire manufacturers, and behind all this is the ability of our friend and brother—the mechanical engineer—to meet the problems of the day and solve them, while the highway engineer with his four inches of concrete road is sending up a wail to high heaven that his four inches is not as thick as he thought they were, and that naughty trucks should not be allowed to hurt his nice concrete roads.

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

(Correction in Cost.)

Segregated Figures Being Taken.

APARTMENT HOUSE Cost, \$100,000  
SAN FRANCISCO. SE Ellis and Polk  
Streets.

Six-story Class "C" reinforced concrete  
apartment house, 35 2-room apts.  
Owner—Thos. and Philip Bannan.

Architect—C. O. Clausen, Hearst Bldg.,  
San Francisco.

Plans Complete.  
APARTMENTS Cost, \$110,000  
SAN FRANCISCO. Sutter Street near  
Taylor Street.

Three-story reinforced concrete apart-  
ment house (76 rooms; 2 and 3-  
room apts.).

Owner—Mrs. McMillan.  
Architects—Rousseau & Rousseau, 110  
Sutter St., San Francisco.

#### BANKS

Plans to be Prepared.  
ADDITIONS Cost, \$40,000  
REDDING, Shasta Co., Cal.

Bank additions and alterations.  
Owner—Northern California National  
Bank, Redding, Cal.  
Architect—Not Yet Selected.

Contract Awarded.  
BANK, ETC. Cost, \$—  
TRACY, San Joaquin Co., Cal. Site of  
old Buschke Building.

One and two-story bank and (2)  
stores, 125x65.

Owner—Bank of Tracy.  
Architect—W. H. Weeks, 75 Post St.,  
San Francisco.

Contractor—D. R. Wagner, 110 Jessie  
St., San Francisco.

Contract Awarded.  
BANK Cost, \$65,000

SANTA BARBARA, Cal.

One-story brick bank, 71x100.

Owner—Santa Barbara County Na-  
tional Bank.

Architect—Myron Hunt, 1017 Hiber-  
nian Bldg., Los Angeles.

Contractor—Parker Brick Co., Santa  
Barbara, Cal.

The contract does not include in-  
terior finish, bank fixtures, marble and  
tile work, vault doors, plumbing, heat-  
ing, painting. The total cost will be  
about \$100,000.

Working Drawings Being Prepared.  
ADDITION Cost, \$—

SAN FRANCISCO. NE O'Farrell and  
Grant Avenue.

Three-story Class "A" addition to  
bank building.

Owner—Union Trust Co., Premises.  
Architect—Frederick H. Meyer, Bank-  
ers' Invst. Bldg., San Francisco.

Contract Awarded.  
BANK Cost, \$38,000

SANGER, Fresno Co., Cal.

One-story terra cotta bank, 45x76.

Owner—First National Bank of San-  
ser.

Architect—Eugene Mathewson, Cory  
Bldg., Fresno, Cal.

Contractor—Anton Johnson, Kings-  
burg, Cal.

With fixtures the building will cost  
\$53,000.

#### CHURCHES

Contract Awarded. Sub-figures to be  
Taken.

MAUSOLEUM Cost, \$225,000  
approximately.

SAN MATEO CO., Cal. Holy Cross  
Cemetery.

Reinforced concrete and stone mau-  
soleum.

Owner—Roman Catholic Archbishop  
of San Francisco.

Architect—Not Given.

Contractor—James L. McLaughlin, 244  
Kearny St., San Francisco.

Plans are being completed. Mr. Mc-  
Laughlin will take sub-figures in  
about two weeks.

Plans Being Prepared.  
CHURCH Cost, \$25,000

FOREST GROVE, Oregon.

Brick church (seating capacity 800).  
Owner—Congregational Church of  
Forest Grove.

Architect—E. E. McClaren, Lumber  
Exchange Bldg., Portland.

Plans Being Figured.  
CHURCH Cost, \$25,000

PORTLAND, Ore. East 15th and Ne-  
halem Streets.

One-story brick and concrete church.  
Owner—Agatha Catholic Church.

Architect—Ernest Kroner, Worcester  
Bldg., Portland, Ore.

#### COURTHOUSES

MARTINEZ, Contra Costa Co., Cal.—  
Bids will be received by County Clerk

J. H. Wells up to October 6th, 11 A. M.,  
for the furnishing of materials and

placing a new felt, asphaltum and  
gravel roof on the Court House.

Specifications may be had from the  
County Clerk at Martinez.

MARTINEZ, Contra Costa Co., Cal.—  
Bids will be received by County Clerk

J. H. Wells up to October 6th, 11 A. M.,  
for furnishing materials and

painting all the exterior galvanized  
iron and wood work on the Court  
House.

#### FACTORIES & WAREHOUSES

Contract Awarded.  
WAREHOUSE Cost, \$18,000

PORTLAND, Ore. Fifth and Flanders  
Streets.

One-story brick and tile warehouse,  
100x100.

Owner—B. Wright.  
Architect—John V. Bennes, Chamber  
of Commerce Bldg., Portland.

Contractor—Oscar Wayman, Builders'  
Exchange, Portland.

Contract Awarded.  
WAREHOUSE Cost, \$—

SAN FRANCISCO. SW Battery and  
Green Streets.

Remodel three-story and basement  
Class "C" warehouse.

Owner—Cioca Lombardi Wine Co.  
Architect—John H. Powers, 460 Mont-  
gomery St., San Francisco.

Contractor—John Biller, 460 Mont-  
gomery St., San Francisco.

McCLOUD, Siskiyou Co., Cal.—The  
construction of a saw mill and other  
improvements are planned by the Mc-  
Cloud River Lumber Company. It is  
planned to spend about \$500,000 in im-  
provements on the present quarters of  
the plant.

Officials of the company have an-  
nounced mill No. 2, the older of the  
two sawmills in operation, will be dis-  
mantled at the end of the present  
season and a three-band mill built  
north of sawmill No. 1. The new mill  
will be run by electricity instead of  
steam, now used for power by the  
company.

Another important change planned  
by the company is the building of a  
brick burner to take the place of the  
pen pits in which the refuse from the  
two sawmills is burned. The burner  
will be fifty feet in diameter and 150  
feet high.

The construction program calls for  
785,000 common brick, 150,000 fire  
brick, 1650 barrels of cement, 800 bar-  
rels of lime, and nearly 1,000,000 feet  
of lumber.

Both sawmills will use the pond at  
sawmill No. 1, which will be enlarged  
from a capacity of 2,750,000 feet to  
over 4,000,000 feet.

Next year with the operation of the  
new mill and sawmill No. 1 the output  
of the company will be about 40,000  
feet an hour instead of 30,000 feet an  
hour as at present.

Plans Being Prepared.  
CREAMERY Cost, \$—

EL CENTRO, Imperial Co., Cal.

Two-story concrete creamery build-  
ing, 90x150.

Owner—Imperial Valley Milk Pro-  
ducers Ass'n., J. H. Holland, Pres.

Architects—Mead & Requa, 614 "B",  
St., San Diego.

To be Done by Day's Work.  
PACKING HOUSE Cost, \$—

SANTA PAULA, Ventura Co., Cal.

One-story reinforced concrete packing  
house, 100x80.

Owner—Mupu Citrus Association.  
Architects—Allison & Allison, Hi-  
bernian Bldg., Los Angeles.

Site Purchased. Plans Being Prepared  
FACTORY Cost, \$200,000

SACRAMENTO, Cal. Twelfth Street  
Road. Site of 54 acres.

Auto and carriage factory.  
Owner—Albert R. and E. A. Meister,  
403 Ninth St., Sacramento.

Architect—Withheld until completion  
of plans.

LOS ANGELES, Cal.—The Pacific Sewer Pipe Co. will rebuild its plant at 306 West Avenue 26, which was destroyed by fire with a loss estimated by President E. M. Durant at \$150,000. The company has a site of 6½ acres and the new plant will be larger and better equipped than the one destroyed.

Plans Being Prepared.  
PRINTING PLANT Cost, \$12,000  
FRESNO, Fresno Co., Cal. "H" Street near San Joaquin.  
One-story brick or concrete printing plant, 50x150.  
Owner—James Porteous.  
Lessee—Crown Printing Co.  
Architect—Eugene Mathewson, Cory Bldg., Fresno, Cal.  
trict No. 2.

## FLATS

Plans Being Prepared.  
FRAME FLATS Cost, \$—  
SAN FRANCISCO, S Green Street W of Powell Street.  
Two-story and basement frame (4) flats 2 4-room and 2 5-room flats.  
Owner—Fred Marra.  
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Contractor Awarded.  
FLATS Cost, \$63,000  
LOS ANGELES, Cal. Western Ave., bet. 4th and 5th Streets.  
Three frame and plaster flat buildings (4 6-room flats each).  
Owner—Jessie D'Arche.  
Architect—L. A. Smith, 621 Investment Bldg., Los Angeles.  
Contractor—Lilly-Fletcher Co., 621 Investment Bldg., Los Angeles.

## GARAGES

Contract Awarded.  
AUTO SALESROOMS Cost, \$—  
PORTLAND, Ore. Broadway and Everett Streets.  
Four-story reinforced concrete auto salesrooms, 100x120.  
Owner—Lewis & Staver Co.  
Architects—Houghtaling & Dougan, Henry Bldg., Portland, Ore.  
Contractor—Keorse Isackson, 1013 East Irving St., Portland.

Plans Prepared.  
GARAGE Cost, \$60,000  
BAKERSFIELD, Kern Co., Cal. Chestnut Avenue.  
Fireproof garage and salesrooms.  
Owner—Geo. Elliott (Cadillac Agent), Bakersfield, Cal.  
Architect—Thos. B. Wiseman, Morgan Bldg., Bakersfield.

Contract Awarded.  
ADDITION Cost, \$5700  
SAN FRANCISCO. E Valencia 137 S McCoppin. No. 125 Valencia St.  
All work except concrete work for a one-story and mazzanine Class "C" addition to garage.  
Owner—Mellanie Langley and Millie I. Wright  
Architect—Thos. B. Eubbee, 316 Sharon Bldg., San Francisco.  
Contractor—L. A. Hinson, 2000 Polk St., San Francisco.  
Concrete work awarded to Adam Arras, 65 Hoff Ave.

Contract Awarded.  
GARAGE Cost, \$25,000  
SAN FRANCISCO. SE Vallejo and Cameron Streets.  
Two-story reinforced concrete garage.  
Owner—N. Cappurro and A. Podesta.  
Architect—Louis Mastropasqua, 580 Washington St., San Francisco.  
Contractor—Del Favero & Rossori, 110 Jessie St., San Francisco.

Plans Being Prepared.  
GARAGE Cost, \$—  
LOS BANOS, Mercede Co., Cal.  
One-story reinforced concrete garage, 150x50, with two-story annex, 30x50, for offices and apartment of 9 rooms.  
Owner—Withheld.  
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Plans Being Prepared. Contract Awarded.  
GARAGE Cost, \$35,000  
MODESTO, Stanislaus Co., Cal. SW Corner 11th and "H" Streets.  
One-story brick and concrete garage (plaster exterior) 17,000 sq. ft. of floor space.  
Owner—T. J. Wisecarver.  
Lessee—Geo. Warren, Modesto, Cal.  
Architect and Contractor—George J. Ulrich, Modesto, Cal.

## GOVERNMENT WORK AND SUPPLIES

PANAMA CIRCULAR 1306—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed bids are wanted until October 4, 1919, circular 1306, for furnishing incintrator plant, telephone exchange, metal furniture, panel boards, outlet boxes, cable, condulets, storage batteries, steel bars, monotype metal, manganese bronze springs and splice plates, bronze bolts, screws, valves, wrenches, files, turnbuckles, mitre boxes, drills, hacksaw blades, hatches, chain n, brushes, blankets, pneumatic tires, lamp chimneys, office pins, manila tags, blank hooks, paper, millboard and colored cotton waste. For information address the above office.

TURNOUT GATES—Department of the Interior, United States Reclamation Service, Denver, Colo., September 6, 1919.—Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until 2 o'clock P. M., September 27, 1919, and will at that hour be opened, for furnishing turnout gates, specifications No. 201-D, for the North Platte project, Nebraska-Wyoming, and the Flathead project, Montana. The material to be furnished will require about 4,000 pounds of metal work. For particulars address the United States Reclamation Service, Denver, Colo. F. E. WEYMOUTH, Chief of Construction.

LOS ANGELES, Cal.—Until 11 A. M., September 29, bids will be received at the U. S. Engineer's Office, 725 Central Bldg., for 125 sections of 20-in. welded steel pipe, each 16 ft. in length, with slip joints, in accordance with specifications which may be had on application. Alternate bids will be taken on riveted steel pipe. Col. Frederick B. Downing, District Engineer.

SAN DIEGO, Cal.—The naval hospital to be erected in Balboa Park will comprise 12 to 15 buildings of Spanish renaissance architecture. Architecture Bertram Goodhue of New York, is preparing the architectural plans and Com. Frederick W. Southworth of the bureau of yards and docks, Washington, the structural plans and specifications. The administration building will have a tower 120 feet high. There will be four ward buildings, each with accommodations for 300 patients, officers' quarters, nurses' quarters, surgery laboratory, power house, laundry, garage and commanding officer's residence. The buildings will have reinforced concrete frames, hollow tile filler walls, stucco exteriors and tile roofing. The cost of the buildings is tentatively placed at \$2,000,000.

WASHINGTON, D. C.—The following projects are contemplated by the Bureau of Yards and Docks, Navy Department:  
Specification 4018, Mare Island, installation of 4,000-K. W. turbo generator.

Specification 4024, Puget Sound, extension to engine room A.  
Specification 4033, San Diego, completion of steel fuel-oil tank.

WASHINGTON, D. C.—Bids opened in the office of the Supervising Architect, Treasury Department, Washington, D. C., for the construction of the Winnemucca, Nevada, Post Office Building, show Frank Gallagher, 30 Lloyd Street, San Francisco, low bidder on both propositions. The following bids were received:

No. 1 Wood Girders; No. 2, Steel Girders.  
Eugene Schuler Huron, South Dakota, (1) \$54,915; (2) \$56,915.  
A. Motschman, Chicago, Ill. (1) \$44,330; (2) no bid.  
W. D. Lovell, Minneapolis (1) \$45,576; (2) \$46,400.  
Frank Gallagher, San Francisco (1) \$40,850; (2) \$41,280.  
201

## HALL AND SOCIETY BUILDINGS.

Plans Being Prepared.  
TEMPLE BUILDING Cost, \$60,000  
FULLERTON, Orange Co., Cal.  
Two-story brick temple building.  
Owner—Fullerton Masonic Temple Association.  
Architect—Frank K. Benchley, Fullerton.

PORTLAND, Ore.—The following architects, all of Portland, have been asked by the Knights of Columbus to submit competitive plans for the proposed \$100,000 lodge hall which they plan to erect in the immediate future: Jos. Jacobberger, Houghtaling & Dougan, Whitehouse & Foulhoux.  
A four-story mill constructed and brick building, 50x100, is planned.

## HOSPITALS

SAN FRANCISCO HOSPITAL CONTRACT AWARDED.  
SAN FRANCISCO.—The Board of Public Works has awarded a contract to O. Monson, 110 Jessie St., San Francisco, for the completion of the northeast and southeast wings of the San

Francisco Hospital and requested the Supervisors to appropriate \$38,945 to cover the cost of the work.

**BAKERSFIELD, Kern Co., Cal.**—Until October 8, bids will be received for constructing a sleeping unit at the Keene tubercular hospital.

Contract Awarded.  
ALTERNATIONS Cost, \$52,000  
SAN LEANDRO, Alameda Co., Cal.  
County Hospital Grounds.  
Extensive alterations to two-story frame hospital.  
Owner—Alameda County.  
Architect—H. H. Meyer, Kohl Bldg., San Francisco.  
Contractor—W. M. Maurice, 505 E-22d St., Oakland.

## HOTELS

Plans to be Prepared.  
HOTEL BUILDING Cost, \$1,000,000  
SACRAMENTO, Cal. "L" Street bet. 8th and 9th Streets.  
Fireproof hotel building.  
Owner—Eastern Capitalists.  
Architect—Not Yet Selected.  
Chas. J. Chittenden, 2231 "I" St., Sacramento, who promoted the new Westminster, Lubin & Company department store site on Eleventh and "J" streets, has the option on the "L" street property with instructions from the owners, the Westminster, Lubin & Company, to close the deal.  
It is planned to erect a building on the style of the Hotel Whitcomb in San Francisco.

## PUBLIC BUILDINGS

**SAN MATEO, San Mateo Co., Cal.**—The City Trustees will receive bids up to October 6th, for painting the City Hall building. Specifications may be had from the City Clerk.

**SACRAMENTO, Cal.**—Chas. Vanina, 2622 M St., Sacramento, submitted the lowest bid to the State Architect's office for the alterations to be made on the ground floor of the Prommer Building at the southwest corner of Eleventh and K streets, for use of the State Department of Agriculture. His

**WOODLAND, Yolo Co., Cal.**—The City Trustees have decided to remodel the present City Hall building, which was erected about fifty years ago. It is planned to modernize the old brick structure and equip it to accommodate all the city offices, including the fire department and city jail.

**SAN ANDREAS, Calaveras Co., Cal.**—Bids will be received by County Clerk A. W. Poe up to October 6th, 1:15 P. M., for the construction of a Laundry Building complete. Said building to be a wooden frame with galvanized corrugated iron roof and sides, and to be built on a concrete foundation which will be built by the county.

## RESIDENCES.

Plans Being Figured.  
COTTAGE Cost, \$—  
SAN FRANCISCO, Revere Ave. near Railroad Ave.  
One-story 4-room frame cottage.  
Owner—Withheld.

Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Bids Opened For Residence.  
BERKELEY, Alameda Co., Cal. Los Angeles St., Northbrae.  
Two-story and basement frame residence (11 rooms and 2 bathrooms and garage).  
Owner—R. Donley.  
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.  
Connor & Connor.....\$20,475  
C. Texdahl.....20,615  
L. W. Button.....21,100  
C. W. Warren.....21,450  
F. Kidder.....22,449  
The contract will be awarded to Connor & Connor, 2105 Berkeley Way, Berkeley.

**SAN FRANCISCO.**—John H. Powers has awarded the following contracts in connection with construction of a two-story and basement frame residence to be erected on N Vallejo St. bet. Baker and Lyon streets for which Geo. W. Boston & Son are the general contractors. O. M. Hueter is the owner.

Mill work to Herring Mill, Inc.  
Hardwood Floors to Inlaid Floor Co.  
Painting to Harry Draper.  
Heating to Scott Company.  
Wiring to Decker Electrical Co.  
Tile to Rigney Tile Co.  
Marble, Joseph Musto Sons-Keenan Company.  
Roofing to Mallott & Peterson.  
Plastering to MacGruer & Simpson.

Contract Awarded.  
RESIDENCES Cost, \$—  
EMERALD LAKE, San Mateo Co., Cal.  
Several one-story frame and plaster residences (2 will be started immediately).  
Owner—Holt Realty Co.  
Architect—Owners.  
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Contract Awarded.  
RESIDENCES Cost, \$5,000 to \$12,000 each.  
SAN FRANCISCO, Ingleside Terrace.  
About 30 one and two-story frame residences.  
Owner—Urban Realty Co.  
Architect—Owner.  
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.  
Sub-figures will be taken by the contractors at the office in Ingleside Terrace.

Plans Being Figured.  
SOCIAL HALL, ETC. Cost, \$15,000  
SAN FRANCISCO, 25th Street and San Jose Avenue.  
One-story frame social hall, garage, chicken house, kennels and caretaker's apartments.  
Owner—Mayor James Rolph Jr.  
Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.  
Figures are being taken for a general contract.

Ready for Figures Wednesday.  
RESIDENCE Cost, \$5,700  
BERKELEY, Alameda Co., Cal. Monterey Ave. and The Alameda.  
One and one-half-story frame and plaster residence and garage.  
Owner—J. H. Hall.  
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Figured.  
RESIDENCES Cost, \$6,000 to \$9,000  
SAN FRANCISCO, St. Francis Wood.  
Three two-story frame residences (6 and 8 rooms each and a one-story 5-room bungalow).  
Owner—Withheld.  
Architect—Henry H. Gutterson, 274 Post St., San Francisco.

Ready for Figures Monday.  
RESIDENCE Cost, \$12,000  
OAKLAND, Alameda Co., Cal. Piedmont Highlands.  
Two-story frame residence (12 rooms and 2 bathrooms).  
Owner—Withheld.  
Architect—C. W. McCall, Central Bk. Bldg., Oakland.

SPECIFICATIONS  
Exterior Finish, cement plaster, Floors, hardwood; Heating, hot air; Interior Finish, hardwood; Roof, tile.

Preliminary Sketches Being Prepared  
COTTAGES Cost, \$—  
SAN FRANCISCO, Haight and Buchanan Streets.  
Group of buildings for orphanage (cottage style).  
Owner—Protestant Orphan Asylum.  
Mrs. F. G. Sanborn, Pres.; Mrs. Eels, Vice Pres.  
Architects—Bliss & Faville, Balboa Bldg., San Francisco.  
Only preliminary plans have been prepared, the type of construction, etc., has not been decided. It is hoped to start construction before the end of this year.

To be Done by Days Work.  
RESIDENCE Cost, \$—  
WEST HOLLYWOOD, Los Angeles Co., Cal. Crescent Blvd. and Franklin Avenue.  
Two-story hollow tile residence (7 rooms, 4 bathrooms, garage and living rooms, etc.)  
Owner—F. L. Blodgett.  
Architect—C. H. Russell, 1106 Story Bldg., Los Angeles.

Plans Nearing Completion.  
FRAME DWELLING Cost, \$4,500  
CHICO, Butte Co., Cal. Fifth and Cypress Streets.  
Two-story and basement frame dwelling.  
Owner—R. F. Urquhart, Chico, Cal.  
Architect—Chester Cole, Westerlund-Breslauer Bldg., Chico, Cal.

Contract Awarded.  
RESIDENCE Cost, \$14,000  
YUBA CITY, Sutter Co., Cal.  
Two-story and basement frame and plaster residence.  
Owner—Carl Schnabel, Newcastle.  
Architect—Chester Cole, Westerlund-Breslauer Bldg., Chico, Cal.  
Contractor—McDaniel & Burroughs, Marysville, Cal.

**FRESNO, Fresno Co., Cal.**—The Alexander Land Co., 1115 "I" St., Fresno, will build ten or twelve houses in Kenmore Park at a cost of \$70,000 to \$80,000. Work will be started at once on an 8-room Colonial frame and a six-room frame Colonial house.

Owner Taking Figures.  
RESIDENCE Cost, \$5,700  
BERKELEY, Alameda Co., Cal. Monterey Ave. and The Alameda.



One and one-half-story frame and plaster residence and garage.  
Owner—J. H. Hall.  
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Segregated Figures Being Taken.  
BUNGALOWS Cost, \$—  
OAKLAND, Alameda Co., Cal. 65th and Whitney Streets.

Five one-story 5-room frame bungalows.  
Owner—J. A. Sullivan.  
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

## SCHOOLS

MODESTO, Stanislaus Co., Cal.—Bids will be received by Kathleen G. Prewett, Clerk of the Board of Trustees of the Modesto High School District up to October 3rd, 7:30 for the following (for the High School Building at "H" and Washington Sts.)

200 double tier louvre, 12x15x36, single face, steel lockers, more or less.  
1. The sinking of a well to the depth of 150 feet, more or less.

2. Furnishing casing for said well.  
3. Digging and installing a pit as follows:

Pit to be 30 feet deep, more or less. Opening 5 ft. by 6 ft. in clear, with 6 in. walls of solid reinforced concrete, proportions of mixture to be: 4 parts fine worked gravel.  
1 part sharp clean sand.  
1 part Portland cement. Forms to be shaped according to plans on file at the office of Superintendent of Schools.

1 strip of reinforcing iron to be put in every two feet.

4. Furnish and install one centrifugal pump and motor, direct connection, pump to be 4 inches with six inch suction pipe and six inch discharge pipe. Motor to be a ten horsepower motor. Pump to be equipped with:

40 feet six inch discharge pipe.  
20 feet six inch suction pipe.

Plans Being Prepared.

SCHOOL Cost, \$—  
SAN PABLO, Contra Costa Co., Cal. One-story temporary school (Manual Training Building).

Owner—San Pablo School District.  
Architect—James T. Narbett, 910 Macdonald Ave., Richmond, Cal.

Plans Being Prepared.

SCHOOL Cost, \$50,000  
ARCADIA, Los Angeles Co., Cal. Brick school (6 class rooms, auditorium, etc.).  
Owner—Arcadia School District.  
Architect—Norman Marsh, 211 Broadway Central Bldg., Los Angeles.

Preliminary Plans Approved.

SCHOOL Cost, \$—  
SALINAS, Monterey Co., Cal. Fireproof high school buildings.  
Owner—Salinas Union High School District.  
Architect—Ralph Wyckoff, Watsonville, California.

Site Selected.

SCHOOL Cost, \$750,000  
BERKELEY, Alameda Co., Cal. Enunell property on Block bounded by Grove, Milvia, Bancroft and Channing Wlys.

Fireproof high school.  
Owner—City of Berkeley.  
Architect—W. C. Hays, 1st National Bank Bldg., Berkeley.

Only preliminary sketches have been prepared. It will be about three months before construction is started.

CALEXICO, Imperial Co., Cal.—W. F. Riley of San Diego, was awarded the contract at \$30,105 for the general work and the contract at \$4980 for the plastering on the new elementary grammar school building at Calexico. Weed & Dickenson of Calexico, were awarded the contract for hardware at \$893, and for sheet metal work at \$1875; Lucien Copes of Calexico, the plumbing at \$1150; C. M. Higgins of Calexico, the painting at \$2352, and Strawn Electric Co. of Calexico, the wiring at \$433.51. The building will be one-story and will contain nine rooms. It will be frame and plaster construction. Zimmer & Roberts of El Centro, Architects.

FUREKA, Humboldt Co., Cal.—The Board of Education has authorized the Superintendent of Schools to have plans and specifications prepared for removing the unsanitary conditions at the Lafayette School.

Bids to be Called Shortly.

SCHOOL Cost, \$30,000  
MONITOR, Washington. One-story high school building, 160 by 120 (6 class rooms, auditorium, manual training and domestic science rooms, etc.).

Owner—Monitor School District.  
Architects—Stephen & Stephen, New York Block, Seattle, Wash.

Preliminary Plans Approved.

SCHOOL Cost, \$—  
ANTIOCH, Contra Costa Co., Cal. Grammar school building.  
Owner—Town of Antioch.  
Architect—W. H. Weeks, 75 Post St., San Francisco.

MADERA, Madera Co., Cal.—Bids will be received by the Trustees of the Knowles School District up to September 27th, 3 P. M., for the erection of a new school building. Plans may be seen at the office of the Superintendent of Schools, Courthouse Building, Madera.

Trustees of the District are: F. W. Krohn, Wm. Gorman and Pietro Zanotti.

MERCED, Merced Co., Cal.—The Board of Trustees of the Merced Union High School District have accepted the bid of R. Bancroft & Sons Co., 525 17th St., Merced, at \$3,000 for furnishing and installing the hardware in the new Merced High School, they offering to install Corbin hardware. The Murray-Vincent Co. submitted a bid \$14 lower than the Bancroft bid, but the Trustees decided the Corbin goods were of a better grade than those offered under the low bid.

SCHOOL BUILDING BIDS WANTED

FRESNO, Fresno Co., Cal.—Bids will be received by Architects Glass & Butler, Cory Bldg., Fresno, up to October 1st, 2 P. M., for the construction and completion of a two-room school building including library and toilets, for the Rosedale School District.

strict. Plans may be had from the Architects at Fresno.

Trustees of the District are: George Myers, J. H. Williams and P. J. Wash.

Plans Being Figured. Bids Close Oct. 7, 1919, 5 P. M.

ADDITION Cost, \$—  
ALAMEDA, Alameda Co., Cal. Washington School.  
Addition to two-story brick school (finish community rooms, etc.).

Owner—City of Alameda.  
Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Bids will be taken for all work, except plumbing, which will be taken separately.

Plans may be obtained from the Board of Education, Alameda City Hall, on a deposit of \$10.

CRANMORE, Sutter Co., Cal.—H. L. More, Woodland, has been awarded a contract by the Trustees of the Salem School District for painting the present Salem School on his bid of \$275. No bids were received by the Trustees for the carpentry repairs to be made on the building.

LED BLUFF, Tehama Co., Cal.—September 25th is the date set to vote on the question of consolidating the following districts in order to form a union high school district. Gleason, Schultz and Headquarters. On formation of the district a bond issue will be called to secure funds with which to finance construction of a new high school.

OAKLAND, Cal.—October 21st is the date set to vote bonds for the erection of new school buildings and for making improvements to the present structures. L. W. Cummings is City Clerk.

Plans Being Figured. Bids Close Oct. 11, 1919, 1 P. M.

SCHOOL Cost, \$75,000  
DURBANK, Los Angeles Co., Cal. One-story brick or hollow tile school.  
Owner—Durbank School District.  
Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

The work will be done on the segregated contract basis, bids being taken separately for the following branches of the work: (1) excavating, concrete, carpentry and iron work; (2) masonry work; (3) sheet metal work, (4) tile roofing; (5) composition roofing; (6) plastering; (7) blackboards; (8) painting; (9) electric work; (10) plumbing; (11) hardware; (12) heating and ventilating. J. D. Radcliff is the clerk of the board.

LOS MOLINAS, Tehama Co., Cal.—The formation of the Los Molinas High School District is planned in the immediate future. It is intended to take in the Cone, Oak Park, Tehama, Los Molinas, Gerber and Vina districts. After formation a bond issue will be called to vote funds for the erection of a high school pannel under the new district.

FRESNO, Fresno Co., Cal.—The Supervisors have sold \$400,000 worth of bonds of the \$2,000,000 bond issue for financing the construction of schools

and altering and adding to the present buildings.

**RED BLUFF, Tehama Co., Cal.**—Bids received by the Supervisors for the sale of the \$46,000 bond issue of the Corning School District, which will finance construction of a new school building, have been rejected and new bids have been ordered received.

**FRESNO, Fresno Co., Cal.**—Bids for the purchase of the \$100,000 bond issue of the Clovis School District will be received by the County Supervisors up to October 7th, 2 P. M. Proceeds of the sale will finance construction of a new school. W. H. Weeks, 75 Post St., San Francisco, is the architect.

**HANFORD, Kings Co., Cal.**—Bids will be received at the office of the County Superintendent of Schools, Hanford, up to October 4th, 8 P. M., for furnishing and installing an air pressure water system in the Grangeville school building.

Further information may be had from E. E. Groat, Secretary at Hanford.

## STORES AND OFFICES

**Plans Being Prepared.** Cost, \$—  
**STORE BLDG.**

**LOS BANOS, Merced Co., Cal.**  
One-story reinforced concrete store building (shoe store). Frame to be strong enough for an additional story.

Owner—Withheld.  
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

**Plans Being Prepared.** Cost, \$—  
**STORE BLDG.**

**LOS BANOS, Merced Co., Cal.**  
One-story reinforced concrete store building, 25x75 3 stores; (candy store, restaurant, etc). Frame to be strong enough for an additional story.

Owner—Withheld.  
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

**Plans Being Prepared.** Ready for Figures Next Week.

**STORE BLDG.** Cost, \$10,000  
**SAN FRANCISCO.** N line Post Street bet. Hyde and Leavenworth Sts. One-story brick store building, 40x30 (3 stores).

Owner—Withheld.  
Architect—M. I. Schwartz, Nevada National Bank Bldg., San Francisco

**Segregated Figures Being Taken.** Cost, \$30,000.

**STORES, ETC.** Cost, \$30,000.  
**SAN FRANCISCO.** N Bush W Taylor One-story brick "C" building, 82-6x137-6 (5 stores and machine shop).

Owner—Nettie Aronson.  
Architect—M. I. Schwartz, Nevada National Bank Bldg., San Francisco.

Eureka Teaming & Grading Co. to be awarded grading contract.  
(29918) 1st report Sept. 4, 1919.

**Revised Plans Being Prepared.** Cost, \$—

**GARAGE** Cost, \$—  
**LOS ANGELES.** SE 11th and Flower Streets.

Three-story Class "A" reinforced concrete garage and auto sales building, 150x155.

Owner—Mrs. S. H. Van Nuys.  
Architects—Morgan Walls & Morgan, 1124 Van Nuys Bldg., Los Angeles.

**Plans Being Prepared.** Cost, \$18,000  
**STORE, ETC.** Cost, \$18,000  
**SAN FRANCISCO.** S Post E of Larkin. One-story and basement Class "C" Store and machine shop building.  
Owner—Edward Hohfeld.  
Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.

**Plans Being Prepared.** Cost, \$30,000  
**STORE BLDG.** Cost, \$30,000  
**SAN FRANCISCO.** S Bush St. bet. Stockton and Powell Streets. One-story reinforced concrete store building.  
Owner—Withheld.  
Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.

**Plans Being Completed.** Cost, \$60,000  
**STORE, ETC.** Cost, \$60,000  
**SEATTLE, Wash.** NE 6th Avenue and Pine Street. Two-story fireproof store and loft building, 120x108.  
Owner—J. T. Heffernan, 108 Railroad Ave., So., Seattle, Wash.  
Architect—John Graham, Green Bldg., Seattle, Wash.

**Plans Being Prepared.** Cost, \$2,500,000  
**ADDITION** Cost, \$2,500,000  
**OLYMPIA, Wash.** State Capitol Grounds. Additional structure for State Capitol group (Legislative Bldg.)  
Owner—State of Washington.  
Architects—Wilder & White, New York City, N. Y.  
Foundation for the building costing \$100,000 already in place.

**Preliminary Sketches Prepared.** Cost, \$—  
**STORE & LOFTS** Cost, \$—  
**SAN FRANCISCO.** California Street near Front Street. Two-story and basement fireproof store and loft building.  
Owner—Walter Sullivan, 129 Sutter St., San Francisco.  
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

**Plans Being Prepared.** Cost, \$—  
**DECORATING** Cost, \$—  
**SAN FRANCISCO.** No. 168 O'Farrell. Interior decorating for cafe.  
Owner—John Tait, Premises.  
Architects—Ward & Blohme, Alaska Commercial Bldg., San Francisco.

**Plans Being Prepared.** Cost, \$15,000  
**REMODELING STORES** Cost, \$15,000  
**TULARE, Tulare Co., Cal.** Remodeling two stores (50x150).  
Owner—M. G. Cottle, Tulare, Cal.  
Architect—J. R. Henderson, Tulare.

**Plans Being Prepared.** Cost, \$300,000  
**MERCANTILE BLDG.** Cost, \$300,000  
**LOS ANGELES, Cal.** NE Sixth and Broadway. Five-story and basement Class "A" mercantile building, 77x119.  
Owner—F. B. Silverwood.  
Architects—Walker & Eisen, 1403 Hibernian Bldg., Los Angeles.

The contract for furnishing and erecting the structural steel has been awarded to the Llewellyn Iron Works

**Plans Being Prepared.** Contract Awarded.  
**STORES AND LOFTS** Cost, \$—  
**LOS ANGELES, Cal.** SW Third and Main Streets. Six two-story Class "C" store and loft buildings, 88x50 and 100.

Owner—Mrs. Cameron E. Thom.  
Architects—Walker & Eisen, Hibernian Bldg., Los Angeles.  
Contractor—Lepper & Laisy, 501 O. T. Johnson Bldg., Los Angeles.

**Steel Contract Awarded.**  
**STORE AND OFFICE BLDG.** Cost, \$—  
**LOS ANGELES, Cal.** NE Sixth and Grand Avenue. Steel for 12-story Class "A" store and office building.  
Owner—Pacific Mutual Life Insurance Company.  
Architects—W. J. Dodd and Wm. Richards, Brack-Shops Bldg., Los Angeles.  
Contractor—Llewellyn Iron Works, Los Angeles.

**Plans Being Prepared.**  
**STORE & LOFT BUILDING** Cost, \$100,000.  
**SAN FRANCISCO.** S Sutter St., bet. Mason and Powell Streets. Two-story and basement reinforced concrete store and loft building, 60x137-6.  
Owner—Withheld.  
Lessee—A. Wholesale Furniture Co. of San Francisco.  
Architects—Rousseau & Rousseau, 119 Sutter St., San Francisco.

## THEATRES

**Plans Prepared.** Cost, \$—  
**AMPHITHEATRE** Cost, \$—  
**VERNON, Los Angeles Co., Cal.** Steel, concrete and frame amphitheatre, 200x200.  
Owner—Jack Doyle.  
Architect—Richard D. King, 519 Van Nuys Bldg., Los Angeles.

**Contract Awarded.** Cost, \$20,000  
**THEATRE** Cost, \$20,000  
**MONROVIA, Los Angeles Co., Cal.** Myrtle Ave. near Palm St. Two-story brick and hollow tile motion picture theatre, 53x124.  
Owner—F. H. Noyes.  
Architect—Frank O. Eager, American National Bank Bldg., Monrovia.  
Contractor—J. P. Daniels, Pasadena.

## Engineering.

**NAPA, Napa Co., Cal.**—The Supervisors have rejected the bid of Simon Lenz, St. Helena, for the construction of a bridge across Nigger Creek in Road District No. 4. James A. Daly is County Clerk.

**NAPA, Napa Co., Cal.**—The Supervisors, James A. Daly, County Clerk, has instructed the County Engineer to prepare plans and specifications for repair work on the concrete ford across Putah Creek near the Johnston Ranch, and a reinforced concrete culvert on the road in American Canyon near the Denio Ranch.

**BAKERSFIELD, Kern Co., Cal.**—Until 10 A. M. October 7, bids will be received by the Supervisors of Kern County for removing the present bridge over the Outlet canal on Bakersfield-Taft highway, constructing a new bridge on the site and repairing the Inlet bridge. F. F. Smith, Clerk.

# Pacific PIPE

## SAVES YOU MONEY

New and re-nued screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

**PACIFIC PIPE CO.,**  
231 Howard St.      San Francisco

## BRIDGES, DAMS & HARBOR WORK

MODESTO, Stanislaus Co., Cal.—Bids will be received by H. Benson, County Clerk, up to October 6th, 2 P. M., for the construction of seven reinforced concrete bridges in Road District No. 1, located as follows.

Bridge on Eugene-Knights Ferry Road about ½ mile southeast of Eugene.

Bridge on Eugene-Knights Ferry Road about 1.1 miles southeast of Eugene.

Bridge over M. I. D. Main Canal on Paulsell Road about ¼ mile north of Waterford.

Bridge over a branch of Dry Creek on Waterford-Paulsell Road about 5 miles north of Waterford.

Bridge over a branch of Dry Creek about 2 miles west of Warnerville.

Bridge over a branch of Dry Creek about 1 mile west of Warnerville.

Bridge on Waterford-La Grange Road at the foot of Rairden Hill about 5½ miles east of Roberts Ferry.

Also bids for construction of six reinforced concrete bridges in Road District No. 2, located as follows:

Bridge over Peaslee Creek on Hickman-La Grange Road, near Lafayette School.

Bridge over T. I. D. Lateral No. 3, about ½ mile east of State Highway.

Bridge over T. I. D. Lateral No. 4, ½ mile north of Washington School.

Bridge over T. I. D. Lateral No. 5, 2 miles west and 2 miles south of Turlock.

Bridge over T. I. D. Lateral No. 5, 1 mile west and 2 miles south of Turlock.

Bridge over Turlock Main Canal on East Turlock Road about 2½ miles from Turlock.

Also bids for the construction of four reinforced concrete bridges in Road Districts No. 3 and No. 4, located as follows:

Bridge over M. I. D. Lateral No. 4, on Maze Avenue, Road District No. 3.

Bridge over M. I. D. Lateral No. 3, on the Carver Road, Road District No. 3.

Bridge over M. I. D. Lateral No. 4 on Virginia Avenue at Modesto City limits, Road District No. 4.

Bridge on Church Road ¼ mile north of Highway at Emprie, Road District No. 4.

Also bids for the construction of four reinforced concrete bridges in Road District No. 5, located as follows:

Sycamore Ave. Bridge over El Salado Creek, Patterson.

Sycamore Ave. Bridge over Patterson Main Canal.

Bridge over El Salado Creek about 1 mile west of Patterson.

Bridge over a dry slough on the Newman-Hills Ferry Road about 3½ miles from Newman.

SAN JOSE, Santa Clara Co., Cal.—County Clerk Henry A. Pfister will receive bids up to October 30th, 11 A. M., for the construction of a reinforced concrete bridge on the Pierce road over Calabases Creek in Supervisor District No. 5.

LOS ANGELES, Cal.—Until 2 P. M., October 6, bids will be received by the County Supervisors for constructing two reinforced concrete bridges on Brand Blvd. over the Verdugo wash. Certified check for 10% required with each bid. A. M. McPherron, Clerk. The bridges will each be 24 ft. wide and 90 ft. long, girder type, consisting of three spans with concrete piers and abutments. They will carry the roadway on either side of the Pacific Electric right-of-way on which the railroad company has also agreed to build a concrete bridge. The plans were prepared in the county road department. The bridges are being built in connection with the county flood control work. There is \$20,000 available.

BLITHE, Riverside Co., Cal.—The following bids were received on Sept. 6 for constructing with dragline dredger equipment or Fresno teams, or both, 6½ miles of new levee and raising and strengthening 9½ miles of existing levee along the Colorado River for the Palo Verde Joint Levee District, J. C. Allison, Calexico, Chief Engineer and general manager.

Item I (Raising 3½ miles of levee) —Hewitt & Felch of Riverside, 38c cu. yd. (change in borrow pits specified); Walter K. Bowker, 60c cu. yd.; Leroy Little of Calexico, 50c cu. yd. (wet material accepted); F. M. Sebathe, 51c cu. yd.

Item II (Raising 5½ miles of levee) —Palo Verde Mutual Water Co., Blithe, 20c cu. yd.

Item III (2½ miles new levee) —P. B. Engh, 341 P. E. Bldg., Los Angeles, 20c cu. yd.

Item IV (4 miles new levee) —P. B. Engh of Los Angeles, 20c cu. yd. (for core levee only).

The bids are being analyzed preparatory to the decision of the board of directors at their meeting on September 20.

EUREKA, Humboldt Co., Cal.—The County Supervisors have directed County Clerk Fred M. Kay to call bids for the construction of the proposed

bridge over the Mattole river at Honeydew on the Dyer-ville-Mattole road. The structure will be of steel construction and according to the estimate of County Engineer A. J. Logan will cost about \$40,000.

SANTA BARBARA, Cal.—Until 10 a. m., Oct. 6, bids will be received by the Supervisors of Santa Barbara County for constructing a stone arch bridge over Rattlesnake Creek in Rattlesnake Canyon, Sixth Road District. Plans may be obtained from County Surveyor Owen H. O'Neil on deposit of \$10. Certified check for 10% required. C. A. Hunt, Clerk. The estimated cost of the bridge is \$5500.

MERCED, Merced Co., Cal.—Bids will be received by P. J. Thornton, County Clerk, up to October 7th, 10 A. M., for the construction of two reinforced concrete bridges as follows: Bridge No. 71 on Mariposa Island Road in Road District No. 2 and over East Side Canal.

Bridge No. 72 over Mariposa creek on Le Grand and Cathey Valley Road in Road District No. 2.

RICHMOND, Contra Costa Co., Cal.—The City Attorney has been instructed to prepare the necessary papers for a \$400,000 bond issue to decide the question of issuing bonds to finance municipal harbor improvements.

OAKDALE, Stanislaus Co., Cal.—H. J. Jackson, President of the Sierra & San Francisco Power Company, has written a letter to the Oakdale and South San Joaquin Irrigation Districts agreeing to consider the proposal for construction of a \$3,000,000 reservoir, for which the districts would furnish the bonds, and the power company would pay them off. The proposed reservoir is to be at Donnell's Flat.

SANTA PAULA, Ventura Co., Cal.—Wm. Ledbetter & Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$49,500 for constructing a timber bridge across the Santa Clara river at Santa Paula. The bridge is being built by subscriptions by citizens. The structure will consist of ten Howe trusses, each 92-ft. span, with wood floor and reinforced concrete piers and concrete abutments.

RED BLUFF, Tehama Co., Cal.—Bids will be received by H. G. Kuhn, County Clerk, up to October 2nd 10 A. M., for remodeling the bridge across Coyote creek on the route of the west side State highway, in Supervisor District No. 2.

UKIAH, Mendocino Co., Cal.—Bids received by the County Supervisors for the construction of a bridge over Foster Creek near Hopland have been rejected and it is probable that new bids will be called.

## IRRIGATION WORK

EL CENTRO, Imperial Co., Cal.—Voters of the Imperial Irrigation District at a special election of September 15, authorized the issuance of \$2,500,000 bonds, of which amount \$1,500,000 will be used to cancel outstanding warrants and the remainder

for new work and improvements to the water distributing system and for river protection work.

**MACDOEL, Siskiyou Co., Cal.**—A petition has been received by the County Supervisors asking the formation of an irrigation district comprising more than 30,000 acres between Bray and Dorris in Siskiyou County, the estimated cost of the project being \$1,350,000.

Estimates and engineering date have been compiled by the bonding firm of McDonald & McDonald, First National Bank Bldg., San Francisco.

**PORTERVILLE, Tulare Co., Cal.**—The Directors of the South Tule Independent Ditch Company have approved plans for cementing the main ditches and laterals of the district. The work will probably commence the first of next year and is estimated to cost \$20,000.

**BRAWLEY, Imperial Co., Cal.**—Water Co. No. 8, of which F. S. Lack is President, is preparing to build the Thistle canal from a point in Superstition Mountains, adjoining the New River branch, northwesterly to the Trifolium ditch a distance of about ten miles. Work will be started as soon as 1500 shares of stock have been sold and Jan. 1, 1920, is the latest date set for starting work. The building of this ditch will make possible the development of about 15,000 acres west of Brawley.

**OROVILLE, Butte Co., Cal.**—State Engineer W. F. McClure has notified the Butte County Supervisors that plans for the proposed Honcut-Yuba Irrigation District have been approved. An election will now be called for the formation of the proposed district which comprises more than 2000 acres. R. A. Leonard is Attorney for the district.

## MACHINERY

**HANFORD, Kings Co., Cal.**—The Hanford Union High School District has purchased two auto trucks for the transportation of pupils. The award was made to the Federal Truck Company at \$4,500.

**BAKERSFIELD, Kern Co., Cal.**—The county rock quarry will be sold at auction on October 8. The original cost was more than \$75,000.

**LOS ANGELES, Cal.**—Until 3 P. M., October 3, bids will be received by the Board of Public Service, Knickerbocker Bldg., for one lathe in accordance with Specification No. P-210, on file in the office of the Board. Jas. P. Vroman, Secretary.

**OKADALE, Stanislaus Co., Cal.**—At a recent meeting of the Okadale Irrigation District Directors it was decided to purchase a steam shovel now at Lyndyl, Utah, for \$7,500, provided that it is as represented by the manufacturer's agent, J. P. Sherbesman of San Francisco.

The steam shovel is manufactured by the Erie Co. and is said to meet all the requirements of the district. The

Board decided to send Director Clawson of the purchasing committee, and Engineer Burton Smith to Utah to test the machine.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

**PHOENIX, Ariz.**—West Coast Construction Co. of Tucson, submitted the lowest bid at \$109,220.38 for constructing a concrete pavement 18 ft. wide and 6 in. thick on Section 1-A of the Tucson-Florence state highway, involving 14,126 cu. yds. excavation, 40,370 sq. yds. paving, incidental drainage and other work. Thomas Maddock, State Engineer. Five other bids were received.

**SANTA ROSA, Sonoma Co., Cal.**—Supervisors are planning the construction of a road along the east side of the Russian River from the Shirley Black Ranch to the terminus of the Cloverdale road, a petition having been received asking the construction at the last meeting.

**ANTIOCH, Contra Costa Co., Cal.**—At the last meeting of the City Trustees the estimate of \$16,000 for constructing the proposed sewer on F St. from the town limits to the river was revised. Engineer Easley stating it would cost \$18,000, the size having been enlarged.

**EUREKA, Humboldt Co., Cal.**—Following bids received by the Supervisors for the construction of  $\frac{3}{4}$  of a mile of road beyond the bridge now building across the Van Duzen at Dinsmore's were rejected:

Wm. Dinsmore ..... \$2,500  
Bodgett & Kelly ..... 2,750

The work was ordered done by day labor under the supervision of Supervisor Masson.

**STOCKTON, San Joaquin Co., Cal.**—Clark & Henry Construction Co., 38 S-Sutter St., Stockton, has been awarded a contract by the City Council for the improvement of East, Anderson, Worth and other streets on its bid of \$42,378.65. The only other bidder was the Federal Construction Co. at \$44,178.68.

**FRESNO, Fresno Co., Cal.**—Bids will be received by City Clerk Chas. Dillen, up to October 6th, 5 P. M., for the improvement of Tulare avenue from the east line of First street to the east line of Sixth street by grading; construction of concrete curbs and gutters; corrugated iron culverts with manholes and paving with a 4-inch cement concrete base and a bitulithic wearing surface  $1\frac{1}{2}$  inches thick.

**PORTLAND, Ore.**—Following low bids were received by the State Highway Commission, Yeon Bldg., for highway improvements:

Quinton Tunnel (Gilliam County),  
552 Lineal Ft. Tunnel,  
A. Guthrie & Co. .... \$40,813.50

Klamath Falls-Algoma,  
10.9 Miles Grading; 5.6 Miles Macadam.  
Klamath County Court, \$146,061.50  
for concrete pipe; \$144,957.50 for iron pipe.

W. H. Mason of Klamath Falls also submitted a bid which included many items on a percentage basis. His proposal was not tabulated.

**Hood River-Moiser.**  
6.1 Miles Macadam.

A. D. Kern (No. 1) ..... \$31,020  
Pacific Bridge Co. (No. 2) ..... 75,120

No. 1—Special surfacing.  
No. 2—11.8 S. macadam waterbound.

**Walker-Cottage Grove.**  
Three Miles Macadam.

Haakenson & Thorsen, Cottage Grove, B. S. macadam, \$29,045; gravel macadam, \$28,415.

**Deer Island-Seapoose.**  
10.85 Miles Paving.

Only two proposals were submitted. A. Guthrie & Co. bid \$2.48 per yard for No. 2 concrete and the Warren Construction Co. bid \$1.41 for Bitulithic, type "E," using crushed rock and curbed gravel in different sections.

**McMinville-West Dayton.**

Five Miles Grading.

Palmer & Young ..... \$67,975; \$67,930

No. 1—Concrete pipe; No. 2—Iron pipe.

**John Day River-Blalock.**  
15 Miles Grading.

O. Huber (No. 1) ..... \$194,263.50

A. Guthrie Co. (No. 2) ..... 211,116.40

No. 1—Concrete pipe.

No. 2—Iron pipe.

**Sherman County.**  
14.7 Miles Grading.

Porter & Conley (1) ..... \$207,805 (2)

\$201,215.

No. 1—Concrete pipe.

No. 2—Iron pipe.

**Douglas County.**  
Concrete Bridge-Culverts.

Union Bridge Co. .... \$11,954.25

**Lane County.**

Union Bridge Co. .... \$6,658.05

**Polk-Yamhill County.**

A. D. Kern ..... \$18,180

**MODESTO, Stanislaus Co., Cal.**—

Petitions have been received by the City Council asking the paving of 13th street between "L" and Needham avenue and Hackberry between Needham and Alice.

**NAPA, Napa Co., Cal.**—The City Engineer has been instructed to prepare plans and specifications for the improvement of Madison street from the properties of Dougthy and Blackford to First street.

**OCEANSIDE, San Diego Co., Cal.**—Proceedings have started to pave Second street from the Santa Fe depot to Amie grade and Third street from Hill street to the municipal pier at Pacific street, under the Vrooman Act; cost, about \$60,000.

**LOS ANGELES, Los Angeles Co., Cal.**—B. Derango submitted the lowest bid at \$35,807.36 for constructing a cement pipe sewer in Homer street between its north terminus and Avenue 23 and other streets in Homer street sewer district. Other bids were: Adam Dalmatin, \$38,700; R. A. Watson, \$45,000; Blaz D. Zaich, \$47,500; Leo Fliesch, \$49,000.

**NAPA, Napa Co., Cal.**—The City Council is considering the proposition of calling a bond election to secure funds with which to repair the ap-

proach to the city on Siscoo avenue and at other points.

**RICHMOND.** Contra Costa Co., Cal.—The City Council, A. C. Paris, City Clerk, has accepted the bid of L. L. Page, 728 Bissell Ave., Richmond, for the construction of sewers in the Brown-Andrade Tract.

**VENTURA.** Ventura Co., Cal.—The following road work has been provided for by the Supervisors of Ventura County for the fiscal year: Surfacing La Cross to Ojai and Moorpark to Royal Ave. roads, \$60,000; surfacing 7 miles, \$24,000; improving South Mountain road at Santa Paula, \$25,000; improvement of Ojai road in Santa Paula, \$23,000; improving Cuyama road, \$7,500; improvement of street in front of court house, \$6,000; highway maintenance, \$20,000. Chas. Petit, County Surveyor.

**OAKLAND.** Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to the Ransome-Randle Co., 28th and Poplar streets, Oakland, for the improvement of Jefferson street from the north line of First street to the south line of Seventh street, by grading; construction of brick gutters; granite and concrete curbs and paving with an oil-macadam base.

Hutchinson Co., 447 17th St., Oakland, for the improvement of East 10th street from the southeast line of Fruitvale avenue to the northwest line of High street, by grading; construction of concrete curbs and gutters; paving with oil-macadam; constructing corrugated iron and concrete culverts and a six-inch sewer of vitrified pipe, with lampholes; "Y's" etc.

**BAKERSFIELD.** Kern Co., Cal.—Forty miles of paved road will be constructed in the Midway-Fellows-McKittrick district under the highway act of 1907, providing for the formation of road districts, and Paul E. Kressley of Newport Beach, has been appointed engineer to make surveys and have charge of the work. Six-inch concrete pavements 15 to 16 ft. wide will be laid.

**RIVERSIDE.** Cal.—The citizens of the Arlington District have decided to ask the City Council to construct the proposed Jackson outfall sewer under the Vrooman act. Engineer Braunschweiger estimates the cost of the improvement at about \$94,000.

**BAKERSFIELD.** Kern Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, submitted the lowest bid at (a) \$51,965.59 for paving Twenty-first, Twenty-second, Twenty-third, Twenty-fourth and H streets in district No. 46, with 3-in. asphaltic base and 1½-in. bitulithic surface. A. Teichert & Son, San Francisco, submitted the only other bid at (b) \$53,987.27. The unit prices were:

193,746 sq. ft. grading (a) \$.027; (b) \$.03  
193,746 sq. ft. paving (a) \$.199; (b) \$.209  
15,110 sq. ft. concrete gutter (a) \$.25; (b) \$.26  
4,560 lin. ft. concrete curb (a) \$.45; (b) \$.49.

82.5 ft. 18-in. culvert (a) \$.500; (b) \$.54  
113 ft. 14-in. culvert (a) \$.400; (b) \$.290  
165 ft. double culvert (a) \$.900; (b) \$.540

The work will be done under the improvement act of 1915. R. H. Hubbard, City Engineer.

**MARTINEZ.** Contra Costa Co.—The County Supervisors have let the following contracts in connection with the proposed county highway system: Construction of a concrete bridge over Walnut Creek (having a span of 75 feet).

Awarded to Palmer & Peterson, 742 Market Street, San Francisco, at \$16,900. Other bidders were:

J. T. Sales, \$18,413.82; Ed. H. Martin, \$19,804.45; James Willison, \$17,523; V. H. Loudon, \$19,427; C. H. Gildersleve, \$18,000; Morris & Roddick, \$22,870; Cotton & McConley Co., \$19,741. Engineer's Estimate, \$17,743.

Construction of Division 15, Section 1, Market and 13th streets, Richmond, \$100 feet.

Awarded to S. C. Rogers and F. E. Rose at \$42,533.22. Engineer's Estimate, \$44,086. Other bidders were:

Galbraith & Janes, \$45,365.88; L. L. Page, \$49,088.52; Bates & Borland, \$52,373.77; W. J. Schmidt, \$48,186.70; G. W. Cushing, \$46,966.40; J. E. Stanninger, \$46,780.45.

Section 1, Division 23, Valley Street in the Town of Crockett.

Awarded to Galbraith & Janes, 156 S. 14th St., Richmond, at \$9,911.41. Engineer's Estimate, \$11,437. Other bidders were:

Bates & Borland, \$14,695.65; W. J. Schmidt, \$11,118.88; O'Brien Bros., \$11,487.70; Breese Burgund, \$10,950.25.

**WHITTIER.** Los Angeles Co., Cal.—An election will be held Sept. 18 to vote on issuing \$300,000 bonds for developing additional water supply and storage capacity for the city water system.

**FRESNO.** Fresno Co., Cal.—County Highway Engineer Jensen has completed plans for the following units of the County Highway system and will present them for approval at the next meeting of the Supervisors:

Elm-avenue from city limits to Mountain View avenue, Route 11, Section A.

Adams avenue from Fowler city east to Del Rey avenue, Route 19, Section A.

Shaw avenue from Blackstone avenue to Clovis avenue, Route 6, Section A.

Ventura avenue from Maple avenue to Sanger-Academy avenue, Route 15, Section B and part of A.

**SAN FRANCISCO.** The Board of Public Works has instructed the Bookkeeping Department to issue a purchase order for 5000 feet of curbing to be used in the improvement of streets.

**NAPA.** Napa Co., Cal.—The City Engineer has been instructed to prepare plans for the improvement of Cynmus street from Main to the S. P. tracks and one block of Napa street between Main and Brown streets.

**DALLAS.** Tex.—Dallas County has voted \$6,500,000 bonds to build 332 miles of paved roads. There will be a complete belt of highways around the county with 12 roads radiating from Dallas to all sections and 6 intermediate roads connecting the radial highways.

**SANTA MONICA.** Los Angeles Co., Cal.—Commissioner of Public Works Carter states the proposed street improvement work in the Palisades section, which will cost about \$500,000, will be rushed and he hopes to see the construction started by November. John A. Morton is the City Engineer.

**FOWLER.** Fresno Co., Cal.—Hugh Crummey, Hearst Bldg., San Francisco, was awarded the contract at \$18,000 for constructing a bitulithic pavement on 2½ blocks of Merced street.

**SAN DIEGO.** Cal.—The City Council has decided to call an election in November to vote on issuing \$250,000 bonds to improve municipal arterial highways.

**SAN DIEGO.** Cal.—The City Council has decided to call an election in November to vote on issuing \$1,000,000 bonds for further conservation and supply of water.

**SAN BERNARDINO.** Cal.—H. H. Lienau, of Highland, (Highway Construction Co.), submitted the lowest bid at \$72,148.62 and was awarded the contract for paving E street between 9th street and Highland avenue with 4 in. of concrete with oil and rock screenings surface and constructing 43 corrugated iron and concrete culverts, his unit price for paving being 14c sq. ft. R. Shea submitted a bid at \$79,487.82, his unit price for paving being 15½c sq. ft., and Los Angeles Paving Co. a bid at \$86,912.98, its unit price for paving being 16.9c sq. ft. Will L. Brown, City Engineer.

**SANTA CRUZ.** Santa Cruz Co., Cal.—City Engineer Herbert Beck has been instructed to prepare plans and specifications for the construction of a sewer on Fourth avenue, in Seabright, a petition asking the work having been received by the Council.

**FRESNO.** Fresno Co., Cal.—The John E. Planner Company of Los Angeles is planning the erection of a \$1,000,000 lithographing plant in this city. Contracts secured from various big corporations in Fresno, including the Associated Raisin Company, compels the company to maintain a plant in this section.

**MARTINEZ.** Contra Costa Co., Cal.—Owing to protests against the plans for the proposed paving, the City Trustees have allowed certain modifications, including the narrowing of the pavement in High street to 18 feet in place of 24 as proposed, beginning at the cemetery and connecting with the State Highway. The base was with the exception of Main and Smith also modified to 5 inches instead of 6 inches, the dressing is to be Topeka in place of Warrenite, the latter being specified on the two streets excepted.

**FRESNO, Fresno Co., Cal.**—The election held in the North Fresno Sewer District to vote bonds of \$200,000 for sewer construction carried by a large majority. Bids for construction are expected to be called immediately after the sale of the bonds.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has awarded contracts for street improvements as follows:

To Ransome-Randle Co., 28th and Poplar streets, Oakland, for the improvement of Livingston street from Cotton to Kennedy street, by grading; constructing concrete curbs and paving with a concrete pavement; construction of a brick manhole; 3 catchbasins and vitrified pipe conduits.

To Bates & Borland, Oakland Bank of Savings Bldg., Oakland, for the improvement of portions of 47th avenue by grading; construction of concrete curbs and gutters and paving with an oil macadam pavement; construction of 2 corrugated iron culverts and 1 wooden culvert.

To the Oakland Paving Co., 5000 Broadway, Oakland, for the improvement of portions of 56th avenue by grading; construction of redwood curbs and concrete gutters and paving with an oil macadam pavement.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has passed resolutions of intentions providing for the following street improvements.

Improvement of portions of "B" St. by grading; constructing redwood curbs and gutters and laying an oil macadam pavement; construction of corrugated iron and concrete culverts, etc.

Improvement of Porter street from the south line of 39th avenue to the northwest line of the Fremont Tract by grading; construction of redwood curbs; concrete gutters and laying an oil macadam pavement and the construction of cement concrete sidewalks.

Improvement of 23rd avenue from Railroad avenue to 29th avenue and 29th avenue from E line 23rd avenue to the SW line of block 17 of the "North Alameda Tract" by grading; constructing concrete curbs, brick gutters, and paving with an asphalt pavement; construction of concrete culverts, catchbasins, brick manholes vitrified pipe conduits, etc.

**SACRAMENTO, Cal.**—J. W. Terrell, 1111 29th St., Sacramento, has been awarded a contract by the City Council, M. J. Desmond, City Clerk, for the improvement of the alley between Fifth avenue and Donner Way by the construction of an 8-inch vitrified ironstone sewer with 58 6-inch vitrified ironstone wye branches and constructing four concrete manholes with cast iron curbs and covers and placing 2 6-inch vitrified ironstone flusher branches and backfilling the trench.

**STOCKTON, San Joaquin Co., Cal.**—On recommendation of City Engineer Compton the City Council has rejected the bid of T. E. Clinch for the construction of a sewer in East street.

Compton was instructed to prepare plans for the sewer in another portion of the street to overcome ob-

stacles which made the bid of Clinch high.

**OAKLAND, Cal.**—Bids will be received by L. W. Cummings, City Clerk up to 12 M., October 2nd, for the improvement of Washington street from the north line of First street, to the north line of Second street by grading, paving with an asphalt pavement, resetting curbs and basalt block gutters, etc.

**SAN JOSE, Santa Clara Co., Cal.**—The County Engineer has been instructed to prepare plans and specifications for grading and graveling the Vvas road from Oak Glen to Uvas bridge in Supervisor District No. 5. Harry A. Pfister is County Clerk.

**GRIDLEY, Butte Co., Cal.**—According to present plans about thirty blocks of new pavement will be laid on Gridley streets as early as possible next Spring.

The new blocks to be improved will be on Hazel street, the main artery of the city, from its eastern boundary at the State highway to the Southern Pacific depot, and from Indiana street to the western city limits.

**SACRAMENTO, Cal.**—The \$2,000,000 block of the State Highway Bond issue has been sold to the State Board of Control, no other bids having been submitted.

**MARTINEZ, Contra Costa Co., Cal.**—Palmer & Peterson, Monadnock Bldg., San Francisco, submitted the lowest bid at \$18,900 to the Contra Costa County Board of Supervisors for building a concrete bridge at Walnut Creek between stations 161 and 293 of County Highway Survey.

**SOUTH PASADENA, Los Angeles Co., Cal.**—Wm. Liddington, 420 E. Sixtieth street, Los Angeles, submitted the lowest bid at \$34,024 for grading and paving Orange Grove avenue from Mission street to north city boundary and will probably be awarded the contract at the meeting of the City Trustees to be held next Monday evening. C. L. Hill, City Engineer.

Other bidders were: W. F. Ducey, Pasadena, \$34,465; C. C. Bretenstein, Pasadena, \$36,890; E. Schelling, Burbank, \$37,535; Fairchild-Gilmore-Wilson Co., \$41,840; George R. Curtis, Los Angeles, \$43,065; Wells & Bressler, Santa Ana, \$44,030.

**SOUTH PASADENA, Los Angeles Co., Cal.**—If pending proceedings are consummated bids will be called for about Oct. 1 for approximately 100,000 sq. ft. of 3-in. oil macadam paving on Diamond avenue. C. L. Hill, City Engineer.

**RICHMOND, Contra Costa Co., Cal.**—A resolution of intention has been passed by the City Council, A. C. Paris, City Clerk, providing for the improvement of portions of Santa Fe avenue by the construction of 375 feet of 4-inch lateral sewers with Y branches and side sewer connections of standard slat glazed, vitrified sewer pipe, and standard lampholes.

**LOS ANGELES, Cal.**—A resolution of intention to improve Washington street between Arlington avenue and west city limits by paving with concrete base and asphaltic surface and constructing sewers, was adopted by the city council on September 12. A resolution of intention to improve Norton avenue between Third street and Wilshire Blvd. by paving with concrete base and Warrenite surface and constructing sewers, was adopted on September 8.

**MERCED, Merced Co., Cal.**—The City Trustees, J. D. Wood, City Clerk has passed a resolution of intention providing for the improvement of the alley in Block 187, by grading, construction of concrete curbs and paving with a 4-inch hydraulic cement concrete base.

**SAN RAFAEL, Marin Co., Cal.**—Bids will be received by County Clerk Rob E. Graham, up to October 7th, 2 P. M., for regading a portion of the Marshall and Tomales Road, for a distance of 3 1/4 miles, in Road District No. 11, and for the construction of bridges and culverts thereon.

## RAILROADS

**CALEXICO, Imperial Co., Cal.**—The Inter-California Railway will relay its tracks with 85-lb. rails through Mexico, 52 miles; double track will be laid in Mexicali and other improvements will be made. Work has been started. E. G. Burdick, General Manager.

**PORTERVILLE, Tulare Co., Cal.**—The Sharp-Fellows Construction Co., Central Bldg., Los Angeles, has been awarded the contract for the construction of the Porterville-Ducor branch of the Santa Fe Railroad. Materials for the work have already been purchased, according to the engineering department of the company.

## FIRE EQUIPMENT

**NAPA, Napa Co., Cal.**—Bids will be received by the County Supervisors, James A. Daley, County Clerk, up to October 15th, 10 A. M., for supplying Napa County with 90 Fire Extinguishers for use of Volunteer Fire Department.

The Clinton Construction Co., has been officially awarded the contract for the completion of the structural shop at the Mare Island Navy yard, they being the low bidders at \$491,000.

Robert Trost, 26th and Howard Sts., submitted the low bid to the Commandant of the Benicia Arsenal and will probably be awarded the contract for the proposed one-story brick, hollow tile and concrete artillery store house to be erected at Benicia. The bid was \$115,088.

Architect S. Heiman, 57 Post street, will shortly take figures for a two-story brick and reinforced concrete factory to be erected for the Pacific Bag Company at the northeast corner of Fifth and Folsom streets. The building is estimated to cost \$18,000.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS, .....

#### San Francisco County

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1972	Stewart	Bovyer	600
1973	Greenwald	Scott	400
1974	Hoyie	Lorenz	400
1975	Ourlish	Ourlish	24000
1976	Ganter	Maas	4138
1977	De Wolfe	Marcussen	26000
1978	Krogh	Krogh	4500
1979	Svgs Un Bk	Phoenix	4000
1980	Leiter	Phoenix	400
1981	Bothin	Phoenix	400
1982	Schindler	Schindler	450
1983	Wright	Ryan	1500
1984	Berges	Berges	1500
1985	Cogswell	Browne	6138
1986	Same	Scott	3600
1987	Same	Snook	5000
1988	Same	Norman	2290
1989	Gray	Meyer	5000
1990	Leitram	Meyer	5000
1991	Heeseman	Johnson	4000
1992	Holmgren	Holmgren	2200
1993	Tierney	McCormick	5000
1994	Wright	Wright	2900
1995	Holbrook	Walker	10000
1996	Edises	Hurley	3000
1997	Rialto	Hayes	1000
1998	Young	Coburn	400
1999	Gordon	Gordon	1500
2000	Friederichs	Owner	800
2001	Driscoll	Driscoll	500
2002	McCarthy	Arnott	2250
2003	Nelson	Nelson	6000
2004	Arata	Central	2000
2005	Pac Rubber	Haley	955
2006	Bowen	Dutton	900
2007	Com Center Bldg	Moller	750
2008	Harder	Harder	2800
2009	Grown	McDonald	400
2010	1st Fed Trust	Gilles	500
2011	Murphy	Duncan	6500
2012	Parrott	Dinwiddie	85000
2013	Powell	Powell	8000
2014	Morris	Morris	6000
2015	Same	Same	6000
2016	Goldberg	Spargo	9645
2017	Capurro	De Favaro	21062
2018	Dollar	Knowles	23886
2019	Parisdie	Keenan	9630
2020	Parisdie	Keenan	10240
2021	Leigh	Leigh	4000
2022	Campbell	Campbell	5000
2023	Sattler	Pasqualetti	400
2024	Wieboldt	Nielson	775
2025	Gerken	Denke	495
2026	Dinan	Paulsen	400
2027	Serbin	Serbin	450
2028	Weissbach	Spelt	850
2029	Gross	Jessiman	1000
2030	Fayaz	Fogt	45343
2031	Chldrens' Hsptl	Hearling	8238
2032	Silver	Laguillo	800
2033	Schweitzer	Owner	500
2034	Cufford	Cufford	400
2035	Goldstein	Mission Conc	35000
2036	Baumann	Black	6000
2037	Baumann	Black	22750

### ALTERATIONS

(1972) NO. 2509 PACIFIC AVE. Alter  
basement for garage.  
Owner—Mrs. Jas. Stewart, Premises.  
Architect—None.  
Contractor—Bovyer & Sons, 2407 Cali-  
fornia St., San Francisco.  
COST, \$600

### ALTERATIONS

(1973) NO. 1742-44 GEARY. Alter  
store windows.  
Owner—L. Greenwald, Mills Bldg.,  
San Francisco.  
Architect—None.  
Contractor—F. H. Scott, 1511 Ellis St.,  
San Francisco.  
COST, \$400

### ALTERATIONS

(1974) NO. 48 MARKET. Minor  
alterations.  
Owner—Max Hoyle, Premises.  
Architect—None.  
Contractor—F. A. Lorenz, 473 Jessie,  
San Francisco.

### APARTMENTS

(1975) E LARKIN 100 N Post. Four-  
story and basement brick (15 apart-  
ments).  
Owner—J. S. Ourlish, 825 Monadnock  
Bldg., San Francisco.  
Architect—J. C. Hladik, Monadnock  
Bldg., San Francisco.  
Day's work and Sub-contracts  
TOTAL COST, \$4139.00

### FRAME COTTAGE

(1976) NE FARRAGUT AVE 150 NW  
Ellington (Porter) Ave NW 25xNE  
80 Ptn Lot 7 Bk 18 West End Map  
No. 2. All work for one-story and  
basement frame cottage.  
Owner—Marie Ganter, 2264 Franklin  
St., San Francisco.  
Architect—None.

Contractor—H. P. Maas and R. J. Mc-  
Gahey, 565 Douglass St., S. F.  
Filed Sept. 15, '19. Dated Sept. 13, '19.  
Frame up and roof on.....\$1034.75  
Brown coated.....1034.75  
Completed and accepted.....1034.75  
Usual 35 days.....1034.75  
TOTAL COST, \$4138.00

Bond, none. Limit, 100 days after Sept.  
15. Forfeit, none. Plans and specifi-  
cations filed.

### APARTMENTS

(1977) S CALIFORNIA 137-6 E Taylor  
Six-story and basement concrete  
apartments.  
Owner—Winifred De Wolfe and Anna  
Brownlee, 1801 Van Ness Ave.,  
San Francisco.  
Architect—Lewis P. Hobart and H. P.  
Merritt, Associate, Crocker Bldg.,  
San Francisco.  
Contractor—Marcus Marcussen, Royal  
Insurance Bldg., San Francisco.  
COST, \$260,000

### FRAME DWELLING

(1978) E SEVENTEENTH AVE 125 N  
Fulton. Two-story and basement  
frame dwelling.  
Owner—Peter M. Krogh, 660 18th Ave.,  
San Francisco.  
Architect—None.  
Day's work. COST, \$4500

### SIDEWALK LIGHTS

(1979) NW GRANT AVE & O'FAR-  
rell. New sidewalk lights.  
Owner—Savings Union Bank & Trust  
Co., Premises.  
Architect—None.  
Contractor—Phoenix Sidewalk Light  
Co., Monadnock Bldg., S. F.  
COST, \$4000

### SIDEWALK LIGHTS

(1980) NE DAVIS & SACRAMENTO.  
New sidewalk lights.  
Owner—E. L. Leiter, New Call Bldg.,  
San Francisco.

### San Francisco.

Architect—None.  
Contractor—Phoenix Sidewalk Light  
Co., Monadnock Bldg., S. F.  
COST, \$400

### SIDEWALK LIGHTS

(1981) S MARKET 100 E Fremont.  
New sidewalk lights.  
Owner—H. E. Bothin, 604 Mission St.,  
San Francisco.  
Architect—None.  
Contractor—Phoenix Sidewalk Light  
Co., Monadnock Bldg., S. F.  
COST, \$400

### ALTERATIONS

(1982) NO. 1832 GOLDEN GATE AVE.  
Alter for basement garage.  
Owner—A. C. Schindler.  
Architect—None.  
Day's work. COST, \$450

### ADDITIONS

(1983) NOS. 412-14-16-18 TEHAMA.  
Addition for flats and concrete base-  
ment and yard.  
Owner—J. A. Ryan, Capp bet. 23rd and  
24th Sts., San Francisco.  
Architect—None.  
Day's work. COST, \$1500

### ALTERATIONS

(1984) NOS. 32-36-38 WASHINGTON  
Place. Alter store and lodging  
house.  
Owner—Jas. Berges, Cr. Architect.  
Architect—P. Righetti, 668 Phelan  
Bldg., San Francisco.  
Day's work. COST, \$1500

### ELECTRICAL WORK

(1985) SE TWENTY-SIXTH AND  
Folsom. Electrical work for altera-  
tions to two-story, basement and  
attic Class "C" school building.  
Owner—The Board of Trustees of  
Cogswell Polytechnical College,  
Premises.

Architect—Frederick H. Meyer, Bank-  
ers' Invest. Bldg., S. F.  
Contractor—Browne-Langlais Elec.  
Constr. Co., 213 Minna, S. F.  
Filed Sept. 16, '19. Dated Sept. 16, '19.  
On list of each month..... 75%  
Usual 35 days..... 25%  
TOTAL COST, \$6138  
Bond, \$3069. Surety, New Amsterdam  
Casualty Co. Limit, 60 days. Forfeit,  
none. Plans and specifications filed.

(1986) HEATING AND VENTILAT-  
ing on above.  
Contractor—Scott Co., 243 Minna St.,  
San Francisco.

Filed Sept. 16, '19. Dated Sept. 16, '19.  
Payments same as above.....  
TOTAL COST, \$3600  
Bond, none. Limit, 60 days. Forfeit,  
none. Plans and specifications filed.

(1987) PLUMBING, GAS FITTING &  
fixture, etc., on above.  
Contractor—Frederick W. Snook, 594  
Clay St., San Francisco.  
Filed Sept. 16, '19. Dated Sept. 16, '19.  
Payments same as above.....  
TOTAL COST, \$2438

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

#### (1988) PAINTING ON ABOVE.

Contractor—E. P. Norman, 3733 24th, San Francisco.

Filed Sept. 16, '19. Dated Sept. 16, '19. Payments same as above.

TOTAL COST, \$2390

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

#### DWELLING

(1989) W TWENTY-SECOND AVE 50 S Anza. All work for two-story 8-room dwelling.

Owner—John Gray.

Architect—None.

Contractor—Theodore G. Meyer, 2628 Anza, San Francisco.

Filed Sept. 16, '19. Dated Sept. 15, '19. Frame up and roof on.

Brown coated \$1250

Completed and accepted. 1250

Usual 35 days. 1250

TOTAL COST, \$5000

Bond, none. Limit, Dec. 15, 1919.

Forfeit, plans and specifications, none.

#### DWELLING

(1990) W TWENTY-SECOND AVE 75 S Anza. All work for two-story 8 room dwelling.

Owner—George A. Bertram, 1636 Polk, San Francisco.

Architect—None.

Contractor—Theodore G. Meyer, 2628 Anza, San Francisco.

Filed Sept. 16, '19. Dated Sept. 15, '19. Frame up and roof on.

Brown coated \$1250

Completed and accepted. 1250

Usual 35 days. 1250

TOTAL COST, \$5000

Bond, none. Limit, Dec. 15, 1919. Forfeit, plans and specifications, none.

#### ALTERATIONS

(1991) NO. 151 SEVENTEENTH AVE. Alter dwelling into (2) flats.

Owner—Henry Heesman, Premises.

Architect—None.

Contractor—J. Johnson, 305 16th Ave., San Francisco.

COST, \$4000

#### FRAME DWELLING

(1992) S SEVILLE 126 E Cordova. One-story and basement frame dwelling.

Owner—Holmgren & Bjorkman, 1206 Naples, Oakland.

Architect—None.

Contractor—Victor Holmgren, 1206 Naples, San Francisco.

COST, \$2900

#### ALTERATIONS

(1993) NO. 3566 TWENTY-SECOND Alter residence and add one story frame.

Owner—Patrick Tierney, Premises.

Architect—None.

Contractor—Thos. McCormick, 25 Gladys, San Francisco.

COST, \$5000

#### FRAME DWELLINGS

(1994) N TARAVAL 30 and 90 W 16th Ave. Two two-story and basement frame dwellings.

Owner—J. W. Wright & Sons, Invst. Co., 228 Montgomery, S. F.

Architect—None.

Day's work, COST, \$4950 each

#### ALTERATIONS

(1995) NE BLUXOME AND SIXTH. New roof, floor, shed, etc., for warehouse.

Owner—Holbrook, Merrill & Stetson, Premises.

Architect—None.

Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

COST, \$10,000

#### ALTERATIONS

(1996) NOS. 1235-37 McALLISTER. General alterations for (2) flats.

Owner—Mr. Edises, 312 Church, S. F.

Architect—None.

Contractor—P. J. Hurley, 146 Herman, San Francisco.

COST, \$3000

#### ALTERATIONS

(1997) NO. 1129 MARKET. Lower stage.

Owner—Rialto Theatre, Premises.

Architect—Carl Werner, Humboldt Bank Bldg., San Francisco.

Contractor—Hayes-Oser Co., Call Bldg. San Francisco.

COST, \$1000

#### ALTERATIONS

(1998) NO. 1367 MASONIC AVE. Alter for basement garage.

Owner—C. H. Young, Premises.

Architect—None.

Contractor—Ira W. Cohorn, 180 Jessie, San Francisco.

COST, \$400

#### ALTERATIONS

(1999) NE CLEMENT AND NINETEENTH AVE. Alter store into 4-room flat and other alterations.

Owner—M. Gordon, 616 McAllister St., San Francisco.

Architect—Rousseau & Rousseau, 110 Sutter, San Francisco.

Day's work, COST, \$1500

#### REPAIRS

(2200) NO. 548 TWENTY-SECOND Ave. General repairs for dwelling.

Owner—C. W. Friedrichs, Premises.

Architect—None.

Day's work, COST, \$800

#### REPAIRS

(2001) NO. 1302 CHURCH. Repair underpinning.

Owner—Katherine Driscoll, Premises.

Architect—None.

Day's work, COST, \$500

#### COTTAGE

(2002) LOT 45 BLK 2 Lakeview Tract All work for one-story cottage.

Owner—The McCarthy Co., 316 Bush St., San Francisco.

Plans by Contractor.

Contractor—James Arnott & Son, 2223 15th Ave., San Francisco.

Filed Sept. 17, '19. Dated July 15, '19.

Frame up 25%

Brown coated 25%

Completed 25%

Usual 35 days. 25%

TOTAL COST, \$2250

Bond, none. Limit, 90 days. Forfeit,

plans and specifications, none.

#### FRAME DWELLING

(2003) W MIRAMAR 91 S Wildwood Drive. One-story and basement frame dwelling.

Owner—Nelson Bros., 30 Northwood Drive, San Francisco.

Architect—Chas. Strothoff, 2276 15th, San Francisco.

Day's work, COST, \$6000

#### ALTERATIONS

(2004) NOS. 734-736 PACIFIC. Remove 21" brick wall to ceiling of 1st floor and install steel columns and girders.

Owner—Paul Arata, 1124 Clay, S. F.

Architect—None.

Contractor—Central Iron Works, 2050 Bryant, San Francisco.

COST, \$2000

#### ALTERATIONS

(2005) NOS. 950-952 MISSION. Alter for store.

Owner—Pacific Rubber Co., 433 W. Rico St., Los Angeles.

Architect—None.

Contractor—P. J. Hurley, 146 Herman St., San Francisco.

COST, \$995

#### ALTERATIONS

(2006) NE BROADWAY AND GOUGH Alter dwelling.

Owner—E. Bowen, 1810 Jackson St., San Francisco.

Architect—None.

Contractor—L. J. Dutton, 904 O'Farrell St., San Francisco.

COST, \$900

#### ALTERATIONS

(2007) NO. 569 CALIFORNIA. Alter store front.

Owner—Commercial Center Realty Co., 916 Kearny, San Francisco.

Architect—None.

Contractor—R. W. Moller, 614 Call Bldg., San Francisco.

COST, \$750

#### FRAME DWELLING

(2008) E THIRTY-NINTH AVE 156 N Fulton. Two-story and basement frame dwelling.

Owner—John Harder, 2463 Bush St., San Francisco.

Architect—None.

Day's work, COST, \$2800

#### ALTERATIONS

(2009) NOS. 1257-59 SIXTH AVE. Alter for basement garage.

Owner—Rosa D. Brown, 1259 6th Ave., San Francisco.

Architect—None.

Contractor—B. McDonald, 1246 6th Ave., San Francisco.

COST, \$400

#### REINFORCE SIDEWALK

(2010) E HYDE 100 N Golden Gate Ave. Reinforce sidewalk.

Owner—First Federal Trust Co., Post and Montgomery, S. F.

Architect—None.

Contractor—M. Gilles, 2116 Fillmore, San Francisco.

COST, \$500

#### ALTERATIONS

(2011) NO. 2245 SACRAMENTO. Alter and add to dwelling.

Owner—Mrs. Murphy, Premises.

Architect—Howard & White, Lick Bldg., San Francisco.

Contractor—W. C. Duncan & Son, 205 Sharon Bldg., San Francisco.

COST, \$6500

#### ALTERATIONS

(2012) 8 MARKET bet. 4th and 5th. Move stairway from 2nd to 5th floor



and install 4 new elevators.  
Owner—The Parrott Estate, Premises  
Engineer—T. Ronneberg, Crocker  
Bldg., San Francisco.  
Contractor—Dinwiddie Constr. Co.,  
Crocker Bldg., San Francisco.  
COST, \$85,000

**BAKERY**  
(013) E TENTH 225 S Howard. One  
story brick bakery.  
Owner—H. A. Powell, Cr. Architect.  
Architect—O'Brien Bros., Inc., 240  
Montgomery, San Francisco.  
Day's work. COST, \$8,000

**FRAME DWELLING**  
(014) E MIRAMAR 370 S Wildwood  
Drive. One-story and basement  
frame dwelling.  
Owner—Louis Morris, 132 Jackson,  
San Francisco.  
Architect—Willard W. Beatty, 54  
Eastwood Drive, San Francisco.  
Contractor—Gordon W. Morris, 132  
Judson Ave., San Francisco.  
COST, \$6,000

**FRAME DWELLING**  
(015) LOT 8 BLK 3190, Westwood  
Park. One-story and basement  
frame dwelling.  
Owner—Linnie Morris, 132 Judson  
Ave., San Francisco.  
Architect—A. W. Smith, 1010 Broad-  
way, Oakland.  
Contractor—G. W. Morris, 132 Judson  
Ave., San Francisco.  
COST, \$6,000

**RICK BUILDING**  
(016) W MASONIC AV. 70 N Haight  
or N Haight W Masonic Ave. All  
work for one-story brick building  
and alterations to frame building  
for branch United States Post Office.  
Owner—Jacob Goldberg, 242 Sutter  
street, San Francisco.  
Architect—S. Helman, 57 Post, San  
Francisco.  
Contractor—John Spargo, 240 Mont-  
gomery St., San Francisco.  
Filed Sept. 18, '19. Dated Sept. 17, '19.  
Brick work to ceiling high. \$2411.25  
Both buildings white coated. 2411.25  
Completed ..... 2411.25  
Usual 35 days ..... 2411.25  
TOTAL COST, \$9,645  
Bond, \$4,850. Sureties, Jos. Mulvihill  
and Jno. Hayden. Forfeit, none. Limit,  
5 days. Plans and specifications filed.

**GARAGE**  
(017) 66-11 ON S VALLEJO and  
135 E from Powell and having depth  
of 137'-6". All work for a two-story  
reinforced concrete garage building.  
Owner—N. Capurro and A. Podesta,  
371 Broadway, S. F.  
Architect—Louis Mastropasqua, 580  
Washington, S. F.  
Contractor—Del Favaro & Rasori, 110  
Jessie St., S. F.  
Filed Sept. 18, '19. Dated Sept. 16, '19.  
Footings poured and first story  
in place ..... \$4,262  
Concrete poured on 1st story.. 4262  
Roof on ..... 4262  
Completed and accepted ..... 4262  
Usual 35 days ..... 4,014  
TOTAL COST, \$21,062  
Bond, \$14,000. Sureties August Figone  
and A. Delmonte. Forfeit, \$10. Limit,  
5 days. Plans and specifications filed.

**LATHING AND PLASTERING**  
(2018) BATTERY AND CALIFORNIA  
All work of lathing and plastering  
for Robert Dollar building.  
Owner—Robert Dollar Co. by Din-  
widdie Constr. Co., Crocker Bldg.,  
San Francisco.  
Architect—Chas. W. McCall, Central  
Bank Building, Oakland.  
Contractor—A. Knowles, Call Bldg.,  
San Francisco.  
Filed Sept. 18, '19. Dated June 19, '19.  
TOTAL COST, \$29,896  
Bond, \$15,000. Sureties, Fidelity &  
Deposit Co. of Maryland. Forfeit, \$50.  
Limit, Dec. 1 (60 days). No plans or  
specifications filed.

**NOTE:** For additional work the con-  
tractor will execute on following basis  
if ordered during progress of work:  
Plastering both side partitions, \$0.90  
per running foot. Wall furring and  
plaster, \$1.50 per yard and for lobby  
as per plan, \$2,000.

**FRAME DWELLINGS**  
(2019) E THIRTY-FOURTH AVE  
150 S Taraval S 50x120. All work  
for two one-story frame dwellings.  
Owner—Parkside Realty Co., Crocker  
Bldg., San Francisco.  
Architect—None.

Contractor—H. C. Keenan, 300 Web-  
ster, San Francisco.  
Filed Sept. 18, '19. Dated Sept. 10, '19.  
Frame work completed.....\$2407.50  
Brown coated ..... 2407.50  
Completed and accepted..... 2407.50  
Usual 35 days ..... 2407.50  
TOTAL COST, \$9,630.00

Bond, \$5,000. Surety, Hugh Keenan.  
Limit, 90 days. Forfeit, none. Plans  
and specifications filed.

**FRAME DWELLINGS**  
(2020) N TARAVALL 32-6 W 34th Ave  
W 50xN 100. All work for two one-  
story frame dwellings.  
Owner—Parkside Realty Co., Crocker  
Bldg., San Francisco.  
Architect—None.

Contractor—H. C. Keenan, 300 Web-  
ster, San Francisco.  
Filed Sept. 18, '19. Dated Sept. 11, '19.  
Frame work completed.....\$2,560  
Enclosed and brown coated... 2560  
Completed and accepted..... 2560  
Usual 35 days ..... 2560  
TOTAL COST, \$10,240

Bond, \$5,000. Surety, Hugh Keenan.  
Limit, 90 days. Forfeit, none. Plans  
and specifications filed.

**FRAME DWELLING**  
(2021) E TWENTY-SECOND AVE 25  
S Anza. Two-story and basement  
frame dwelling.  
Owner—David Leigh, 840 44th Ave.,  
San Francisco.  
Architect—None.  
Day's work. COST, \$4,000

**AUTO ACCESSORY BLDG.**  
(2022) S POST 145 W Larkin. One-  
story concrete auto accessory bldg.  
Owner—J. V. Campbell, 1040 Bryant,  
San Francisco.  
Architect—None.  
Day's work. COST, \$5,000

**UNDERPINNING**  
(2023) SE GEARY AND POLK. Un-  
derpinning.  
Owner—H. Sattler Rich Hotel, S. F.  
Architect—A. A.

Contractor—J. Pasqualetti, 785 Mar-  
ket, San Francisco.

COST, \$400

#### ALTERATIONS

(2024) NE TWENTY-FIRST & YORK.  
Raise dwelling and add 4-room flat.  
Owner—J. P. Wieboldt, 2678 21st St.,  
San Francisco.  
Architect—None.  
Contractor—T. and J. Nielsen Bros.,  
2350 Bryant, San Francisco.  
COST, \$775

#### GARAGE

(2035) NO. 1 SCOTT (rear). One-  
story frame private garage.  
Owner—Frederick Gerken, Premises.  
Architect—None.  
Contractor—E. H. Denke, 1317 Hyde,  
San Francisco.  
COST, \$495

#### GARAGE

(2026) N PINE 250 W Mason. One-  
story frame garage.  
Owner—Jermiah Dinan, 918 Pine St.,  
San Francisco.  
Architect—None.  
Contractor—F. Paulsen.  
COST, \$400

#### ALTERATIONS

(2027) NO. 170 HENRY. Alter for  
basement garage.  
Owner—Morris A. Serbin, 450 Castro,  
San Francisco.  
Architect—None.  
Day's work. COST, \$450

#### ALTERATIONS

(2028) NOS. 3070-74 CALIFORNIA.  
General alterations for flats.  
Owner—W. Weissbach, 2602 Califor-  
nia, San Francisco.  
Architect—None.  
Contractor—A. W. Spelt, 539 Day St.,  
San Francisco.  
COST, \$850

#### ALTERATIONS

(2029) NO. 226 SEVENTH AVE. Alter  
dwelling into (2) flats.  
Owner—Felix Gross, 310 Call Bldg.,  
San Francisco.  
Architect—None.  
Contractor—J. W. Jessiman, 926 Cle-  
ment, San Francisco.  
COST, \$1,000

#### BOLT WORKS

(2030) SE HOWARD 45-10 NE Main  
SE 137-6xSW 45-10. All work ex-  
cept excavation, piling, bulk head-  
ing, elevator work, plumbing, wiring  
and painting for three-story Class  
"C" building for bolt works.  
Owner—Paynes Bolt Works, 133 How-  
ard, San Francisco.  
Architect—Nathaniel Blaisdell, 255  
California, San Francisco.  
Contractor—Alfred H. Vogt, 185  
Steyenson, San Francisco.  
Filed Sept. 19, '19. Dated Sept. 2, '19.  
Concrete walls up to level of 1st  
floor ..... \$11,250  
Walls built to bearings of 3rd  
floor joists ..... 11,250  
Completed and accepted..... 11,507  
Usual 35 days ..... 11,326  
TOTAL COST, \$45,343

Bond, \$22,672. Sureties, C. S. Hoffman  
and Emil Hogberg. Limit, 90 days.  
Forfeit, \$10. Plans and specifications  
filed.

## ALTERATIONS

(2031) SW MAPLE & SACRAMENTO  
New roof, partitions, etc.  
Owner—Children's Hospital, Premises.  
Architect—None.  
Contractor—Geo. Healing, 110 Jessie,  
San Francisco.

COST, \$8236

## ALTERATIONS

(2032) NO. 220 PRAGUE. Alter and  
add to dwelling.  
Owner—Victor Silver, Premises.  
Architect—R. Laguillo.  
Contractor—B. Laguillo, 626 Madrid,  
San Francisco.

COST, \$800

## ADDITION

(2033) NO. 874 CHESTNUT. Add one  
room to dwelling.  
Owner—Mrs. Wm. Schweitzer, Prem.  
Architect—None.  
Day's work.

COST, \$500

## ALTERATIONS

(2034) NO. 87 HARRINGTON. Raise  
dwelling and add foundation.  
Owner—W. H. Clifford, Premises.  
Architect—None.  
Day's work.

COST, \$400

## STORE BUILDING

(2035) NE VAN NESS AND OLIVE  
Aves. 60 on Van Ness and 109 on  
Olive Ave. All work for two-story  
and basement reinforced concrete  
store building.  
Owner—E. L. Goldstein Co. (A corp.).  
Architect—Jos. L. Stewart, Claus  
Spreckels Bldg., San Francisco.  
Contractor—Mission Concrete Co., 180  
Jessie, San Francisco.

Filed Sept. 20, '19. Dated Sept. 19, '19.  
1st floor concrete poured.....\$7000  
2nd floor concrete poured..... 7000  
Roof on and basement floor in  
place ..... 7000  
Completed and accepted..... 7000  
Usual 35 days..... 7000  
TOTAL COST, \$35,000

Bond, none. Limit, 75 days. Forfeit,  
\$30. Plans and specifications filed.

## FRAME RESIDENCE

(2036) LOT 1 BLK 3197, Westwood  
Park Tract. All work for one-story  
frame residence.

Owner—Herman C. Baumann, 251  
Kearny, San Francisco.  
Architect—H. C. Baumann, 251 Kearny  
San Francisco.

Contractor—Robt. G. Black, 40 Wood-  
land Ave., San Francisco.  
Filed Sept. 20, '19. Dated Sept. 16, '19.  
Frame up, and enclosed.....\$1500  
Interior and exterior plaster on 1500  
Completed and accepted..... 1500  
TOTAL COST, \$6000

Bond, \$3000. Sureties, E. A. Janssen  
and J. A. Hardy. Limit, 90 days. For-  
feit, none. Plans only filed.

## FRAME RESIDENCES

(2037) LOTS 23, 24, 25, 26, AND 27  
BLK 3175, Westwood Park Tract. All  
work for five one-story and base-  
ment frame residences.

Owner—Herman C. Baumann, 251  
Kearny, San Francisco.  
Architect—H. C. Baumann, 251 Kearny  
San Francisco.

Contractor—Robt. G. Black, 40 Wood-  
land Ave., San Francisco.  
Filed Sept. 20, '19. Dated Aug. 26, '19.  
Frame up and roof on.....\$5687  
Interior & exterior plaster on 5687

Completed and accepted..... 5687  
Usual 35 days..... 5689  
TOTAL COST, \$22,750  
Bond, \$11,375. Sureties, E. A. Janssen  
and J. Hardy. Limit, 90 days. For-  
feit, none. Plans only filed.

## COMPLETION NOTICES.

## San Francisco County

Retorced	Accepted
Sept. 15, 1919—E VALENCIA 101-0%	Sept. 15, 1919—E VALENCIA 101-0%
S 25th S 33-5%xE 117-6.	J A
Christen & Sons to A H Wilhelm	
Sept. 18, 1919—E TWENTY-FIFTH	Sept. 18, 1919
Ave 284-8 S Anza S 25xE 120. J J	
Lyons to Thos Hamill.	Sept. 18, 1919
Sept. 18, 1919—LOTS 22, 23. BLK	
3163 Westwood Park. Hilding An-	
derson to Anderson & Johnson....	Sept. 18, 1919
Sept. 18, 1919—S LAKE 82-6 E 24th	
Ave. E 50xS 100. Geo C. Sargent	
to C. C. Morehouse....	Sept. 16, 1919
Sept. 18, 1919—W TWENTY-SIXTH	
Ave 275 N Lake 25xW 120. L B	
and Janette A Hammond to Her-	
man Steiger....	Sept. 17, 1919
Sept. 18, 1919—NE SIXTH AVE &	
Clement. Peter R Savage to	
Arthur Elvin.....	Sept. 15, 1919

## LEASES.

## San Francisco County.

Sept. 15, 1919—NO. 499 HAIGHT SE  
Fillmore. John Tiedemann to Wm  
Fishback and Chas Pfeiffer. 5 years.  
\$8000.  
Sept. 17, 1919—NO. 1565 JACKSON. T  
M Burd to Harry Albright and  
Hazel Dwelly. 5 years. \$27,000.  
Sept. 18, 1919—NO. 1624 ALMORÉ.  
Peninsula Realty Corp to C Honda.  
August 31, 1922. \$3600.  
Sept. 18, 1919—NO. 1910 & 1912 VAN  
Ness Ave. Gerard Invest Co  
to Martin M Hartmann. 2 years. \$6000  
Sept. 19, 1919—NO. 1067 VALENCIA  
E line bet. 21st and 22nd E  
Driggs to Charlotte de Castro. 34  
months. \$225.  
Sept. 19, 1919—NE ELLIS & MASON;  
No. 1115. Ellis Sires  
ment Co to Roy Burgeanne. 2 years.  
\$720 per month.

## BUILDING CONTRACTS.

## Alameda County.

No.	Owner	Contractor	Amt.
2017	Pfranc	Pfranc	4000
2018	Anderson	Anderson	400
2019	Willard	Schnebley	400
2020	Goding	Haskell	400
2021	Nielsen	Nielsen	8000
2122	Vey Oil Cptn	Paulson	3000
2123	Gier	Boeddeker	5000
2124	Anderson	Anderson	2200
2125	Lorimer	Lorimer	2000
2126	Anderson	Anderson	4000
2127	Simon	Elblon	1000
2128	Garland	Garland	750
2129	Bartelme	Kopf	464
2130	Swanger	Barnard	450
2132	Thompson	Thompson	500
2132	Johnson	Anderson	500
2032	Bischoff	Owner	3000
2033	Kellogg	Colley	6100
2034	Wasey	Bischoff	800
2035	Mahoney	Mills	400
2036	Larson	MacGregor	1975
2037	Arey	Hudson	3000
2038	Smith	Smith	4000
2039	McIntosh	Owner	3000
2040	Montenegro	Warren	9000
2041	Ware	Peterson	500
2042	Sonderleifer	Pedgrift	500
2043	McKenney	Vick	400
2044	Geekie	Geekie	400
2045	Kelly	Brumfield	400
2046	Oakes	MacLeod	800
2047	Hoge	Schwald	12738
2048	Smith	MacGregor	4850
2049	Ekert	Strang	6000
2050	Pomares	Pomares	4200
2051	Compomenosi	Owner	3450
2052	Shannon	Olson	600
2053	Shannon	Christiansen	700
2054	Hurst	Trammel	750
2055	Brozier	Brozier	2450
2056	Hinch	Hinch	1950
2057	Stolte	Stolte	3200
2058	Mitchell	Hollenbeck	2075
2059	Lillencrantz	Peterson	4000

2060	Motr	Jenkins	4500
2061	Noble	Noble	1500
2062	Noble	Noble	2500
2063	I D E S	Bruce	5100
2064	Little	Olson	10900
2065	Fox	Rich	2100
2066	Fox	Rich	2100
2067	Fish	Nunes	450
2068	Rutter	Carlson	2400
2069	Judson	Judson	2000
2070	Hendricksen	Francis	7700
2071	Horne	Horne	400
2072	De Laite	Chamney	875
2073	Rave	Rave	2000
2074	Cross	Burke	2000
2075	Norgrove	Baker	3750
2076	Strang	Strang	3000
2077	Star Mattress	Scott	1000
2078	Mello	Thomas	1000
2079	Fish	Fish	1000
2080	Brown	Wieben	500
2081	Brooks	Brooks	400
2082	Minford	Minford	400
2083	Haines	Haines	400
2084	Williams	Williams	400
2085	Minor	Hawkins	400

## DWELLING

(2017) W PRYAL 42 N Keith Ave.,  
Oakland. One and one-half-story 7-  
room dwelling.  
Owner—H. C. Pfrang, 5507 College  
Ave., Oakland.  
Architect—None.  
Day's work.

COST, \$4000

## DRYING ROOM

(2018) NO. 3308 MAPLE AVE. Oak-  
land. One-story drying room.  
Owner—A. Anderson, Premises.  
Architect—None.  
Day's work.

COST, \$400

## ALTERATIONS

(2019) NO. 2132 WESTER, Oakland.  
Alterations.  
Owner—Willard Battery Co., Prem.  
Architect—None.  
Contractor—Schnebley & Hostrawser,  
6th and Jackson, Oakland.  
Day's work.

COST, \$400

## GARAGE

(2020) NO. 950 THIRTY-NINTH,  
Oakland. Garage.  
Owner—Merle S. Goding, Premises.  
Architect—None.  
Contractor—Albert A. Haskell, 4331  
Montgomery, St., Oakland.

COST, \$400

## FRAME APARTMENTS

(2021) W VAN BUREN 90 S Lenox,  
Oakland. All work for two-story  
12-room frame apartment house.  
Owner—Mary E. Astrue, 3005 Grove,  
Oakland.  
Architect—None.  
Contractor—Holger Nielsen & William  
Nelson, 4127 24th, San Francisco.

Filed Sept. 16, '19. Dated Sept. 8, '19.  
Frame up and roof completed..... %  
Plastered ..... %  
Completed and accepted..... %  
Usual 35 days..... %  
TOTAL COST, \$8000

Bond, none. Limit, Jan. 3, 1920. For-  
feit, none. Plans only filed.

## OIL TANKS

(2122) FIFTH ST. AND SNYDER  
Ave., Berkeley. Two reinforced con-  
crete oil tanks.  
Owner—Vegetable Oil Corp., Premises.  
Architect—None.  
Contractor—Paulson & Marini, Prem.  
Day's work.

COST, \$3000

## DWELLINGS

(2123) W MITCHELL 85 and 125 N  
E-14th, Oakland. Two one-story 5-  
room dwellings.

Owner—Theos. Gier.

Architect—None.

Contractor—Joe Boeddeker, 814 34th Ave., Oakland.

COST, \$2500 each

#### DWELLING

(2124) S MADELINE 320 E Laurel Ave., Oakland. One-story five-room dwelling.

Owner—Carl W. Anderson, 1629 Julia St., Oakland.

Architect—None.

Day's work. COST, \$2200

#### WAREHOUSE

(2125) S E-FOURTEENTH 60 E 24th Ave., Oakland. One-story warehouse.

Owner—J. W. Lorimer, 1817 9th Ave., Oakland.

Architect—None.

Day's work. COST, \$2000

#### DWELLING

(2156) S SANTA RAY AVE 300 E Paloma Ave., Oakland. One and one-half-story 5-room dwelling.

Owner—Anderson & McCoy, 1483 Wellington, Oakland.

Architect—None.

Day's work. COST, \$4000

#### ADDITION

(2127) NO. 5029 E-FOURTEENTH, Oakland. Addition.

Owner—S. Simon, Premises.

Architect—None.

Contractor—Blabon & Inlow, 4453 E-14th, Oakland.

COST, \$1000

#### DWELLING

(2128) W MONTGOMERY 90 N Mather, Oakland. One-story 4-room dwelling.

Owner—A. Garland, 380 38th, Oakland.

Architect—None.

Day's work. COST, \$750

#### GARAGE

(2129) NO. 535 HADDON ROAD, Oakland. Garage.

Owner—F. J. Bartelme, Premises.

Architect—None.

Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland.

COST, \$464

#### ADDITION

(2130) NO. 583 WALSWORTH AVE., Oakland. Addition.

Owner—Dr. Swauger, Premises.

Architect—None.

Contractor—C. S. Barnard, 597 24th, Oakland.

COST, \$490

#### ADDITION

(2131) NO. 4101 OPAL, Oakland. Addition.

Owner—E. S. Thompson & Son, 3656 Broadway, Oakland.

Architect—None.

Day's work. COST, \$650

#### ALTERATIONS

(2132) NO. 2321 NINETY-FOURTH Ave., Oakland. Alterations.

Owner—A. Johnson, Premises.

Architect—None.

Contractor—Anderson & McCoy, 1483 Wellington Ave., Oakland.

COST, \$500

#### DWELLING

(2022) W CHERRY 44 N Russell, Berkeley. One and one-half-story 6 room dwelling.

Owner—John A. Bischoff, 5768 Shafter Ave., Oakland.

Architect—None.

Day's work. COST, \$3000

#### DWELLING

(2033) E SHATTUCK AVE 225 N Los Angeles, Berkeley. One and one-half story 6-room dwelling.

Owner—Harold A. Kellogg, 72 Plaza Drive, Berkeley.

Architect—None.

Contractor—R. H. Cooley Mfg. Co., 33d St. and San Pablo Ave., Oakland.

COST, \$6100

#### GARAGE

(2034) E ETON AVE 117 N Claremont Ave., Berkeley. Garage.

Owner—Chas. W. Swasey, 3143 Eton Ave., Berkeley.

Architect—None.

Contractor—John A. Bischoff, 5768 Shafter Ave., Oakland.

COST, \$400

#### ADDITION

(2035) NO. 2639 COLLEGE AVE., Berkeley. Addition.

Owner—Mrs. Mahony, Premises.

Architect—None.

Contractor—Henry W. Mills, 2521 Hillegass Ave., Berkeley.

COST, \$400

#### DWELLING

(2036) E RHODA AVE 350 N Carmel, Oakland. One-story 4-room dwelling.

Owner—F. Larson, 3952 Rhoda Ave., Oakland.

Architect—None.

Contractor—C. M. MacGregor, 470 13th, Oakland.

COST, \$1975

#### DWELLING

(2037) W EVERETT AVE 160 S Hampel, Oakland. One-story 5-room dwelling.

Owner—Fred R. Arey, 3111 Fruitvale Ave., Oakland.

Architect—None.

Contractor—L. G. Hudson, 3458 Fruitvale Ave., Oakland.

COST, \$3000

#### DWELLING

(2038) S EXCELSIOR AVE 200 E Alma, Oakland. Two-story 8-room dwelling.

Owner—M. F. Smith, 436 Moss Ave., Oakland.

Architect—None.

Day's work. COST, \$4000

#### DWELLING

(2039) S FORTY-FOURTH 150 E Market, Oakland. One-story 5-room dwelling.

Owner—Wm. C. McIntosh, 1st National Bank, Emeryville.

Architect—None.

Day's work. COST, \$3000

#### DWELLING

(2040) E WINSOR 300 N Lakeshore, Oakland. Two-story 7-room dwlg.

Owner—Dr. Montenegro, 1001 Winsor, Oakland.

Architect—A. W. Smith, 1010 Broadway, Oakland.

Contractor—C. H. Warren, 2615 Derby, Oakland.

COST, \$9000

#### GARAGE

(2041) NO. 2705 ABBEY, Oakland.

Garage.

Owner—Mrs. Carrie A. Ware, Premises.

Architect—None.

Contractor—C. O. Peterson, 7th and Oak, Oakland.

COST, \$500

#### ALTERATIONS

(2042) NO. 316 ATHOL AVE, Oakland.

Alterations.

Owner—T. Sonderleifer, Premises.

Architect—None.

Contractor—Jas. H. Pedgrift, 565 16th, Oakland.

COST, \$500

#### ADDITION

(2043) NO. 1270 SEVENTY-THIRD Ave., Oakland. Addition.

Owner—Mrs. McKenney, Premises.

Architect—None.

Contractor—Wm. Vick, 1202 73rd Ave., Oakland.

COST, \$400

#### STUDIO

(2044) NO. 968 FORTY-THIRD, Oakland. One-story 3-room studio.

Owner—J. Geekie, Premises.

Architect—None.

Day's work. COST, \$400

#### ALTERATIONS

(2045) NO. 2300 BROADWAY, Oakland. Alterations.

Owner—Kelly Springfield Tire Co., Premises.

Architect—None.

Contractor—Brumfield Elec. Sign Co., 18 7th St., San Francisco.

COST, \$490

#### ADDITION

(2046) NO. 616 THIRTY-FOURTH, Oakland. Addition.

Owner—Mr. Oakes, Premises.

Architect—None.

Contractor—J. R. MacLeod, 1727 7th, Oakland.

COST, \$800

#### FRAME APARTMENTS

(2047) LOT 47 Map Lake Shore Park Heights, Oakland. All work except steam heat for two-story frame apartments.

Owner—L. B. Hoge, 943 Pacific Bldg., Oakland.

Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.

Contractor—Harry Schwalm, 721 Main St., Hayward.

Filed Sept. 17, '19. Dated Sept. 16, '19.

Sheathed ..... \$2388.51

Brown coated ..... 2388.51

Ready for painting ..... 2388.51

Completed and accepted..... 2388.51

Usual 35 days..... 3184.71

TOTAL COST, \$12,738.75

Bond, \$6369.37. Surety, Globe Indemnity Co. Limit, 110 days. Forfeit, \$10.

Plans and specifications filed.

#### FRAME RESIDENCE

(2048) MONTICELLO AND ARROYO Aves., Piedmont. One and one-half-story frame residence.

Owner—J. E. Smith.

Architect—None.

Contractor—C. M. MacGregor, 470 13th, Oakland.

COST, \$4950

#### FRAME DWELLING

(2049) LOT 10 BLK 8 "The Oaks," Piedmont. Two-story frame dwlg.

Owner—Mrs. E. Ekert.  
Architect—None.

Contractor—V. N. Strang, 521 9th St., Oakland.

COST, \$6000

#### DWELLING

(2050) W FOURTH AVE 35 S E-14th Oakland. One and one-half-story 6 room dwelling.

Owner—Louis G. Pomares, 492 44th, Oakland.

Architect—None.

Day's work. COST, \$4200

#### DWELLING

(2051) NE CAVOUR AND JAMES, Oakland. One-story 5-room dwlg.

Owner—E. Campomenosi, 5238 Lawton Ave., Oakland.

Architect—None.

Day's work. COST, \$3450

#### DWELLING

(2052) FRUITVALE ACRE HEIGHTS, Oakland. One-story 3-room dwlg.

Owner—H. E. Noble, 4154 Piedmont Ave., Oakland.

Architect—None.

Contractor—G. W. Olson, 1933 16th Ave., Oakland.

COST, \$600

#### ALTERATIONS

(2053) NO. 2278 E-NINETEENTH, Oakland. Alterations and additions.

Owner—R. W. Shannon, Premises.

Architect—None.

Contractor—H. Christiansen, 2324 E-23rd, Oakland.

COST, \$700

#### ADDITION

(2054) NO. 521 COTTAGE, Oakland. Addition.

Owner—E. B. Hurst, Premises.

Architect—None.

Contractor—E. Trammel, 884 54th, Oakland.

COST, \$750

#### DWELLING

(2055) E BONAR 300 N Dwight Way, Berkeley. One-story 5-room dwlg.

Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.

Architect—None.

Day's work. COST, \$2450

#### DWELLING

(2056) N OREGON 95 W Wallace, Berkeley. One-story 4-room dwlg.

Owner—E. M. Hinch, 393 Bellevue Ave., Oakland.

Architect—None.

Day's work. COST, \$1950

#### DWELLING

(2057) NO. 1646 BROADWAY, Alameda. One-story 5-room dwlg.

Owner—F. C. Stolte, 3449 Laguna Ave., Oakland.

Architect—None.

Day's work. COST, \$3200

#### DWELLING

(2058) E BURBANK 188 N Portola, Alameda. One-story 5-room dwlg.

Owner—Mitchell.

Architect—None.

Contractor—G. B. Hollenbeck, 3516 Richmond Ave., Oakland.

COST, \$2975

#### ADDITION

(2059) NO. 1739 CENTRAL AVE., Alameda. Add to dwelling.

Owner—Dr. Lillencrantz, 19th St. and

Telegraph Ave., Oakland.

Architect—None.

Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.

COST, \$4000

#### DWELLING

(2060) NE CANTA CLARA AVE AND Union, Alameda. One-story 6-room dwelling.

Owner—R. B. Mott, 1504 Union, Ala.

Architect—None.

Contractor—C. M. Jenkins, 1434 Park, Alameda.

COST, \$4500

#### DWELLINGS

(2061) NOS. 2700 & 2720 WASHINGTON, Alameda. Two one-story 6-room dwellings.

Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.

Architect—None.

Day's work. COST, \$2750 each

#### DWELLING

(2062) NO. 1109 VERSAILES AVE., Alameda. One-story 5-room dwlg.

Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.

Architect—None.

Day's work. COST, \$2500

#### LODGE BUILDING

(2063) S ST. MARY'S ST., bet Ppty of Mrs. J. B. Walton and C. H. Dall, Pleasanton. All work for one-story addition to lodge building.

Owner—J. C. Mendonca, M. I. Silva, J. M. Roza, M. S. Andrade and M. M. Rodrigues, Building Committee of Consello Peixoto No. 15, I. D. E. S., Pleasanton.

Architect—None.

Contractor—C. A. Bruce, Pleasanton.

Filed Sept. 17, '19. Dated Sept. 16, '19.

Floor joists in place..... ¼

Roof in place..... ¼

When completed..... ¼

Usual 35 days..... ¼

TOTAL COST, \$5100

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

#### FRAME DWELLING

(2064) E EUCLID AVE 300 N Van Buren being S 47 Lot 21 Blk 1, Highland Bldv Adams Point Ppty, Oakland. All work for two-story and basement frame dwelling.

Owner—Mary H. Little, Harrison Apts., Oakland.

Architect—Claude B. Barton, 1st Trust Bldg., Oakland.

Contractor—Alfred Olson, 565 16th, Oakland.

Filed Sept. 17, '19. Dated Sept. 10, '19.

Roof sheathed..... ¼

Brown coated..... ¼

Completed and accepted..... ¼

Usual 35 days..... ¼

TOTAL COST, \$10,990

Bond, none. Limit, 80 days. Forfeit, none. Plans and specifications filed.

(2065) N BERKELEY WAY 245 W Acton, Berkeley. One-story 5-room dwelling.

Owner—Chris. B. Fox, 4001 Broadway, Oakland.

Architect—None.

Contractor—James L. Rich, 947 42nd, Oakland.

COST, \$2100

#### DWELLING

(2066) N BERKELEY WAY 210 W Acton, Berkeley. One-story 5-room

dwelling.

Owner—Miss Heneretta Fox, 4001 Broadway, Oakland.

Architect—None.

Contractor—James L. Rich, 947 42nd, Oakland.

COST, \$2100

#### GARAGE

(2067) NO. 2910 ASHBY AVE., Berkeley. Garage.

Owner—Mrs. Fish, Premises.

Architect—None.

Contractor—Geo. W. Nunes, 5448 Dover, Oakland.

COST, \$450

#### DWELLING

(2068) W SEVENTY-FOURTH AVE 572 N E-14th, Oakland. One-story 5-room dwelling.

Owner—Mrs. Addie Rutler, 1214 95th Ave., Oakland.

Architect—None.

Contractor—Francis Carlson, 1221 42nd Ave., Oakland.

COST, \$2400

#### ALTERATIONS

(2069) FOOT PARK AVE., Oakland. Alter plant.

Owner—Judson Mfg. Co., Premises.

Architect—None.

Day's work. COST, \$2000

#### DWELLING

(2070) W TWENTY-THIRD AVE 71 N E-29th, Oakland. One-story 4-room dwelling.

Owner—Annie Hendricksen, 1524 7th Ave., Oakland.

Architect—None.

Contractor—Francis & Carlsson, 4213 E-12th, Oakland.

Cost, \$3700

#### GARAGE

(2071) NO. 3833 BROOKDALE AVE., Oakland. Garage.

Owner—Peter F. Horne, Premises.

Architect—None.

Day's work. COST, \$400

#### ADDITION

(2072) NO. 9437 CHERRY, Oakland. Addition.

Owner—P. De Laite, Premises.

Architect—None.

Contractor—Champney Braas, 5222 Dover, Oakland.

COST, \$575

#### DWELLING

(2073) W EIGHTY-SIXTH AVE 158 N Birch, Oakland. One-story 4-room dwelling.

Owner—Carl Rave, 1815 84th Ave., Oakland.

Architect—None.

Day's work. COST, \$2000

#### DWELLING

(2074) S E-THIRTY-THIRD 159 W Stewart, Oakland. One-story 5-room dwelling.

Owner—R. H. Cross.

Architect—None.

Contractor—C. B. Burks, 1152 Randolph Ave., Oakland.

COST, \$2000

#### DWELLING

(2075) E EL CENTRO AVE 100 S Hollywood, Oakland. One-story 6-room dwelling.

Owner—Norgrove & Reeler, 2900 Revere St., Berkeley.

Architect—None.

Contractor—W. J. Baker, 816 30th St., Oakland. COST, \$3750

## DWELLING

(2076) N EXCELSIOR BLVD. 50 W Athol Ave., Oakland. Two-story 7-room dwelling.

Owner—P. N. Strang, 1405 Central Ave., Alameda.

Architect—None.  
Day's work. COST, \$5000

## ALTERATIONS

(2077) NO. 487 CLIFTON, Oakland. Alterations and additions.

Owner—Star Mattress Factory.  
Architect—None.

Contractor—G. A. Scott, 685 23rd, Okd. COST, \$1000

## ADDITION

(2078) NO. 1042 KENNEDY, Oakland Addition.

Owner—John Mello, Premises.  
Architect—None.

Contractor—John Thomas, 1062 Cotton St., Oakland. COST, \$1000

## ALTERATIONS

(2079) NO. 667 THIRTY-SEVENTH, Oakland. Alterations.

Owner—H. Phillips, Premises.  
Architect—None.

Contractor—H. E. Irish, 2214 Clement St., Alameda. COST, \$1000

## REPAIRS

(2080) SE THIRTY-SEVENTH AVE. and E-14th St. Oakland. Repairs.

Owner—Brown "The Grocer."  
Architect—None.

Contractor—Alex C. Wieben, 1919 Fruitvale Ave., Oakland. COST, \$500

## ALTERATIONS

(2081) NO. 4106 BAYO, Oakland. Alterations and additions.

Owner—T. H. Brooks, Premises.  
Architect—None.

Day's work. COST, \$400

## ADDITION

(2082) NO. 2702 E-NINTH, Oakland. Addition.

Owner—A. B. Minford, Premises.  
Architect—None.

Day's work. COST, \$400

## DWELLING

(2083) LEONA HEIGHTS, Oakland. One-story 2-room dwelling.

Owner—S. E. W. Haines, R. F. D. 220 "A" St., Oakland.

Architect—None.  
Day's work. COST, \$400

## DWELLING

(2084) SE MAPLE AVE &amp; WISCONSIN, Oakland. One-story 2-room dwelling.

Owner—W. R. Williams, Premises.  
Architect—None.

Day's work. COST, \$350

## GARAGE

(2085) NO. 2614 WARRING, Berkeley Garage.

Owner—Ralph S. Minor, Premises.  
Architect—None.

Contractor—Hawkins. COST, \$400

## COMPLETION NOTICES.

## Alameda County.

Recorded Accepted  
Sept. 19, 1919—B OXFORD near  
Eunice, Bkly. Mrs. E. M. Mathews  
and Mrs. Nellie McHaffie by James  
W. Plachek to C. H. Warren. Sept. 19, 1919NOTICE OF NON-RESPONSIBILITY.  
Sept. 18, 1919—LOTS 11 AND 12 BLK  
1 Map No. 6, Regents Park, Albany.  
Victoria Norris.

## BUILDING CONTRACTS.

## Fresno County.

## STORE AND OFFICE BLDG.

LOTS 1, 2 AND 3 BLK 71, Fresno. One  
story Class "A" store and office  
building.Owner—A. Mattei, 200 "I" St., Fresno.  
Architect—E. A. Mathewson, Cory  
Bldg., Fresno.Contractor—Lindgren Co., Monadnock  
Bldg., San Francisco. COST, \$500,000

## ALTERATIONS

NO. 1137 "I" ST., Fresno. Alterations  
Owner—Frank Homer, Agent.Architect—None.  
Contractor—Trewwhitt & Shields,  
Rowell Bldg., Fresno. COST, \$3000

## FRAME DWELLING

LOT 2 BLK 33, Alta Vista Tract,  
Fresno. Frame dwelling.Owner—L. L. Howard, Fresno.  
Architect—None.

Day's work. COST, \$2750

## DWELLING

LOTS 19 AND 20 BLK 3, Leona  
Heights, Fresno. Frame dwelling  
and garage.Owner—B. C. Kennedy, 1026 "N" St.,  
Fresno.Architect—None.  
Day's work. COST, \$3000

## DWELLING

LOTS 20 AND 21 BLK 1, Mattewan  
Addition, Fresno. Frame dwelling  
and garage.Owner—J. H. Brown, Fresno.  
Architect—None.

Day's work. COST, \$3000

## DWELLING

LOT 4 BLK 12, Alta Vista Tract,  
Fresno. Frame dwelling and gar-  
age.Owner—N. B. Swett, 3411 Balch St.,  
Fresno.Architect—None.  
Contractor—Yarnell & Garger, 1014 8-  
4th St., Fresno. COST, \$25250

## ADDITION

N PART SEC. 11, 14-21, Locan School  
District, Fresno. All work for ad-  
dition to school.Owner—Trustees of Locan School Dis-  
trict, Fresno.Architect—None.  
Contractor—R. Pedersen Co., 446 Clark  
St., Fresno.Filed Sept. 16, '19. Dated Sept. 13, '19.  
Sub-flooring in place. \$1187.50

Roofed and ready for plaster 1187.50

Completed 1187.50

Usual 35 days. 1187.50  
TOTAL COST, \$4750Bond, \$2375. Sureties, Geo. Larsen  
and Andrew Iversen. Limit, 60 days.  
Forfeit, none. Plans and specifica-  
tions filed.

## DWELLING

LOTS 100 AND 101 Del Mar Tract,  
Fresno. Frame dwelling and gar-  
age.Owner—C. L. Saylor, 3734 Illinois St.,  
Fresno.Architect—None.  
Day's work. COST, \$3000

## DWELLING

LOTS 6, 7 AND 8 BLK 8, North Park,  
Fresno. Frame dwelling and garageOwner—Mrs. C. G. Bray, 624 N-Van  
Ness, Fresno.Architect—None.  
Contractor—B. J. Rheiner, Fresno. COST, \$7600

## DWELLING

LOT 3 BLK 12, Alta Vista Tract, Fresno.  
Frame dwelling and garage.Owner—P. W. Baker, 1420 La Salle St.,  
Fresno.Architect—None.  
Day's work. COST, \$4500

## FRAME DWELLING

LOT 15 BLK 388, Fresno. Frame dwlg.  
Owner—Wm. Hamilton, 1825 "F" St.,  
Fresno.Architect—None.  
Day's work. COST, \$2000

## FRAME DWELLING

LOTS 81 AND 32 BLK 231, Fresno.  
Frame dwelling.Owner—Jacob Kuntman, 536 "D" St.,  
Fresno.Architect—None.  
Contractor—Wm. Kerner, 440 "E" St.,  
Fresno. COST, \$3000

## FRAME DWELLING

LOTS 24 AND 25 BLK 18, North Park,  
Fresno. Frame dwelling.Owner—Frank Truax, 148 Fresno  
Ave., Fresno.Architect—None.  
Contractor—Shorb & Neada, 127 Fresno  
Ave., Fresno. COST, \$5000

## ADDITION

SANTA FE RESERVATION & VEN-  
tura St., Fresno. Addition to shed.Owner—M. Kellner & Son, Premises.  
Architect—None.Contractor—F. J. Stone, Mason Bldg.,  
Fresno. COST, \$2500

## ADDITION

LOTS 14, 15 AND 16 BLK 64, Fresno.  
Addition of 2nd story to building.Owner—T. C. White, 1311 "I" St.,  
Fresno.Architect—None.  
Contractor—Trewwhitt & Shields,  
Rowell Bldg., Fresno. COST, \$4150

## COMPLETION NOTICES.

## Fresno County.

Recorded Acceptor  
Sept. 16, 1919—S 30 FT LOT 3 N 19  
ft. Lot 4 Elmhurst. Vesta L. Mil-  
lar to whom it may concern. Aug. 19, 1919  
Sept. 16, 1919—LOT 9 BLK 11 and  
part Lots 1, 2 Blk 2, Wilson North  
Fresno Tract, Fresno. W A Mos-  
grove, Jr. and Frank Pettie to

whom it may concern, Sept. 12, '19  
Sept. 16, 1919--LOTS 8 AND 9 In-  
gersoll Tract, Fresno. Wm E  
Sims to whom it may concern...  
Sept. 15, 1919  
Sept. 10, 1919--LOT 50 E 20 feet Lot  
51, Blk 15, North Park Terrace,  
Fresno. J D Shorb to whom it  
may concern .....Sept. 6, 1919

**BUILDING CONTRACTS.****San Mateo County.****FRAME DWELLING**

EL CERRITO AVE. Hillsborough. Ex-  
cavating, grading, concrete, brick,  
tile, metal, mill and carpenter work,  
lumber, plastering, glazing and  
hardware for frame dwelling.  
Owner—D. E. McLaughlin, San Fran-  
cisco.

Architect—Howard & White, 35 Mont-  
gomery St., San Francisco.  
Contractor—C. C. Cavanagh, San Ma-  
teo, Cal.

Filed Sept. 15, '19. Dated Sept. 11, '19.  
2nd story joist in place....\$4102.50  
Roof on & exterior boarded 4102.50  
Plastering completed ..... 4102.50  
Completed and accepted..... 4102.50  
Usual 35 days..... 5470.00  
TOTAL COST, \$21,880.00

Bond, none. Limit, 100 working days  
from filing. Forfeit, none. Plans and  
specifications filed.

**ALTERATIONS**

S-FIRST ST., San Jose. Balcony and  
alterations.

Owner—F. W. Gross & Son, Premises.  
Architect—None.

Contractor—E. L. Wolfe, Coe Ave.,  
San Jose. COST, \$975

**COMPLETION NOTICES.****San Mateo County.**

Recorded Accepted  
Sept. 15, 1919--COR. CHERRY AND  
Chestnut Sts. Lots 1, 21 and 3 Blk  
34, San Carlos. Thomas Flowman  
to whom it may concern. Sept. 8, '19  
Sept. 15, 1919--S CYPRESS AVE 65  
W Sycamore, San Carlos. D E  
Schoolay et ux to G B Hollenbeck  
.....Sept. 8, 1919  
Sept. 15, 1919--NW 100 ft. Lots 15,  
16 and 17 Blk 26, San Carlos. L C  
Zook to G B Hollenbeck.....  
.....Sept. 8, 1919

**BUILDING CONTRACTS.****Santa Clara County.****ADDITIONS**

NO. 1009 S-FIFTH ST., San Jose. Add  
to factory.

Owner—Pacific Coast Pottery & Terra  
Cotta Co., Premises.

Architect—None.

Contractor—Morrison Bros., Santa  
Clara. COST, \$5000

**ALTERATIONS**

NO. 171 S-MARKET ST., San Jose.  
Alterations.

Owner—J. McKiernan, Premises.  
Architect—None.

Contractor—W. J. Moore, San Jose.  
COST, \$850

**COTTAGE**

NO. 917 S-TENTH ST., San Jose. Cot-  
tage.

Owner—F. A. Martin, 907 S-Tenth St.,  
San Jose.

Architect—None.

Day's work. COST, \$1500

**BUILDING CONTRACTS.****San Joaquin County.****DWELLING**

ANDERSON ST., bet. Center and El  
Dorado Sts., Stockton. Frame dwg.

Owner—Wm. Drew, 1024 S-El Dorado  
St., Stockton.

Architect—None.

Day's work. COST, \$2730

**DWELLING**

NORTHERN ADDITION, Stockton.  
Frame dwelling and garage.

Owner—Edward Bettinis, Stockton.

Architect—None.

Day's work. COST, \$3800

**REPAIR SHOP**

MINER AND SAN JOAQUIN STS.,  
Stockton. Auto top repair shop.

Owner—W. M. Edwards, 129 E-Miner  
St., Stockton.

Architect—None.

Day's work. COST, \$18,000

**DWELLINGS**

STOCKTON AND VINE STS, Stock-  
ton. Two frame dwellings and ga-  
rages.

Owner—J. S. Reed, 1440 N-Baker St.,  
Stockton.

Architect—None.

Day's work. COST, \$2900 each

**FRAME DWELLING.**

SUNSET ADDITION, Stockton. Frame  
dwelling and garage.

Owner—C. Olsen, 5 Mile House, Lower  
Sacramento Rd., Stockton.

Architect—None.

Day's work. COST, \$2300

**DWELLING**

CHURCH ST., bet. Commerce and  
Center, Stockton. Frame dwelling  
and garage.

Owner—A. De Pauli, Stockton.

Architect—None.

Day's work. COST, \$3650

**ALTERATIONS**

MAIN ST. bet. California and Ameri-  
can Sts., Stockton. Remodel restau-  
rant.

Owner—Meade Co., 34 N-El Dorado  
St., Stockton.

Architect—None.

Day's work. COST, \$2000

**COMPLETION NOTICES.****San Joaquin County.**

Recorded Accepted  
Sept. 12, 1919--LOTTIE GRUNSKY  
School, Stockton. Board of Edu-  
cation of City of Stockton to Carl  
Hokholt.....Sept. 10, 1919

**BUILDING CONTRACTS.****Sacramento County.**

SW ¼ Sec. 15 T 9 R 4, Sacramento.

SCHOOL

One-story frame school.

Owner—Trustees Jefferson School  
District.

Architect—None.

Contractor—G. B. Stahl, San Francis-  
co Blvd., Sacramento.

Filed Sept. 10, '19. Dated Aug. 29, '19.

COST, \$4685

**FRAME RESIDENCE**

NO. 4139 FOURTH AVE., Sacramento.  
Frame residence.

Owner—W. B. Phillips, Premises.  
Architect—None.

Day's work. COST, \$2000

**BUILDING CONTRACTS.****Sacramento County.****GARAGE**

NATOMAS, Sacramento. Concrete.

private garage.

Owner—John Sing.

Architect—None.

Contractor—A. W. Norris, 2012 "G"  
St., Aacramento.

COST, \$4100

**ALTERATIONS**

NO. 3563 FIFTH AVE., Sacramento.

Remodel flat.

Owner—R. S. Galyord, Premises.

Architect—None.

Day's work. COST, \$1200

**GARAGE**

NO. 5180 EIGHTH ST., Sacramento,  
Garage.

Owner—A. M. Gaskill.

Architect—None.

Contractor—A. W. Norris, 2012 "G"  
St., Sacramento.

COST, \$3100

**ALTERATIONS**

NO. 607 "K" ST., Sacramento. Remodel

salesrooms.

Owner—Kimball-Uphon, Premises.

Architect—None.

Contractor—K. W. Muroell, Ochsner  
Bldg., Sacramento.

COST, \$10,000

Recorded Accepted  
Aug. 29, 1919--S ¼ of N ¼ LOT 5,  
U V 29th and 30th Sts. Sacramen-  
to to W B Morse to whom it may  
concern .....AUG. 22, 1919

**GARAGE**

NO. 1426 "H" ST., Sacramento. Garage

Owner—Miss Achzig, Premises.

Architect—None.

Contractor—H. H. Achzig, Premises.

COST, \$1000

**BOND ISSUES PLANNED FOR  
NORTHERN CALIFORNIA.**

Four northern California counties  
are planning bond issues for good  
roads, according to Ben Blow, man-  
ager of the good roads bureau of the  
California State Automobile Associa-  
tion. They are Marin, Colusa, Butte  
and Humboldt counties.

In addition to handling the suc-  
cessful campaign for the state forty-  
million-dollar good roads "issue" in  
northern California, the automobile  
association has co-operated in eight  
county campaigns, all of which "car-  
ried by a substantial majority.

Manager Blow of the good roads  
bureau assisted in Merced's campaign  
for a bond issue of \$1250,000.  
Fresno's campaign for an issue of  
\$1,800,000, Sonoma for \$1,640,000,  
Napa, \$500,000, Santa Cruz, \$224,000,  
Contra Costa, \$2,600,000, Solano, \$1,  
000,000, and Sutter \$810,000.

## WORLD. BUILDING MOVE UNDER WAY.

**Stone & Webster Booked \$20,000,000 of Contracts in Recent Months—Many Projects Developing.**

NEW YORK.—Contracts for new construction at the rate of nearly \$1,000,000 a week or for an aggregate of about \$20,000,000 have been taken by Stone & Webster since April 1.

In addition, the firm has an interest in other new construction contracts aggregating upwards of \$10,000,000 and has been asked to investigate and submit proposals on projects fast taking form that will call for expenditure of \$25,000,000 or more. New business is steadily developing.

These contracts for construction actually placed or being considered effect the large amount of public utility, industrial and other development that is being undertaken in the United States, Canada and foreign countries. American money, manufactured products and man-power will be required to carry through the enterprises.

"Business interests are preparing for a large domestic and foreign trade," says George O. Muhlfeld, in general charge of Stone & Webster's construction and engineering business. "Business men the world over are becoming more and more confident that an era of unusual trade activity is opening; they are backing their judgment in his respect with investments that will enable them to help it along and to share in the ensuing prosperity."

## INCREASE IN COST OF LIVING IN CERTAIN COUNTRIES.

(Consul General David F. Wilber, Genoa, Italy, July 31, 1919.)

In a recent issue of the Paris edition of the Daily Mail, the following figures are quoted from a report made by the Statistical Bureau of Berne, Switzerland, which represents the increase over pre-war prices in certain countries: Italy, 481 per cent; France, 368 per cent; Switzerland, 257 per cent; England, 240 per cent; and the United States, 220 per cent.

## THE LUMBER INDUSTRY IN THE PHILIPPINES.

(Compiled by the Far Eastern Division from information furnished by the Director of Forestry of the Philippines.)

The increasing demand for lumber in the Philippines has caused a number of new lumber companies to be formed, and some of the existing mills (ranging in capacity from 1,000 to 70,000 board feet a day) are planning extensions to their plants.

The output of the ten largest mills rose from 35,000,000 board feet in 1916 to 50,000,000 in 1917, and 60,000,000 in 1918, while the sales for 1919 were 5,790,000 board feet more than the corresponding period in 1918.

Some of the highest grades of certain woods are finding use in the United States and other countries for furniture interior finish, and aeroplane propellers.

Owing to the shortage of tonnage most of the output was consumed locally, but the Chinese markets, which have been short of lumber are buying, so that more capital is being attracted into the industry, and there is

a demand for logging and sawmill machinery, accessories and supplies.

If copies of catalogs, bulletins, and price lists are sent to the Director of Forestry of the Philippines at Manila, they will be brought to the attention of those interested.

## SAN JOSE CONTRACTOR FAVORS NEW SYSTEM FOR LETTING CONTRACTS.

The San Jose News in its issue of September 16th contains the following article:

"San Jose should do what San Francisco has done in the matter of letting contracts for new buildings," declares Frank Somers today, who is a large electrical contractor as well as president of the merchants association. "San Francisco contracts are going to be opened in public hereafter and some of the profit which has been derived from subletting contracts I might call it graft—is going to be dispensed with. By doing this San Francisco will reduce the high cost of building to what it ought to be.

"There is no use talking San Jose has got its building rates too high, and as a result, the contractors are coming here and taking work that should be done by local men. I can name two big jobs that have been secured by outside contractors because the local estimates were from 20 to 30 per cent higher than outsiders."

"This should not be. All bids should be open and above board. Contractors no matter whether they belong to the association or not should be permitted to bid on contracts. The field should be an open one. Competition should be unlimited. This way the high cost of building would be reduced to a minimum."

## ACTIVITIES OF THE AMERICAN CHAMBER OF COMMERCE OF MEXICO.

(Vice Consul Chas. H. Cunningham, Mexico City, Aug. 9, 1919.)

The American Chamber of Commerce of Mexico, which was organized toward the close of the war by American business men of Mexico City, and began its work of developing trade between the United States and Mexico, has lately moved into larger rooms in the downtown center of Mexico City, and is becoming the headquarters of American business interests in Mexico.

The chamber, which began its work with 65 members has now 203 members in Mexico and 177 in the United States, the list representing many of the largest concerns in both countries buying and selling in Mexico. Most of the members are American manufacturers and their agents. The principal lines included in the membership are steel and iron, banks, locomotive and car builders and railway supplies, machinery of all kinds (principally mining, oil, sugar, and electrical), shoes and shoe findings, dry goods and kindred lines, agricultural implements, heavy and light hardware, lumber, millinery, coffee, chewing gum, candy, candies, and exporters and importers handling everything made in the United States and produced in Mexico.

The chamber prints a monthly journal, full of interesting trade news about Mexico, 24 pages, and uses very freely the Commerce Reports, and has

sides has many articles prepared by its own members, and obtained from the departments of the Mexican Government, which contain statistics and trade information from the States of Mexico.

The Chamber not only watches over American business interests in general, but it gives a direct service to its members of information in confidential advice, informing them about conditions in the States of Mexico and the buying power of the people, suggesting good representation for them and telling them where to buy Mexican products.

The chamber has begun the preparation of a buyers' and sellers' guide of Mexico, and has much of the material for that in shape already that it is furnishing its members, upon request, with lists of merchants who are in the market for certain kinds of American products, and producers who can furnish Mexican products in the United States.

Architect E. C. Hemmings, 1203 "F" street, Sacramento, is preparing plans for a twelve-story and basement steel and concrete store building to be erected for the John Bremer Company in that city at cost of \$750,000. The building will be erected at Sixth and "K" streets.

Bids received by Architect J. J. Coffey, Humboldt Bank Bldg., for the proposed Class "A" addition to the St. Francis Hospital building at Bush and Hyde streets have been taken under advisement. The following is a list of the low bids received: General Contract, including carpentry, mill work, roofing, hardware and glass, P. F. Peilly, \$74,800; Concrete work, Branch & Coffey, \$86,408; Plastering, J. Greenback, \$43,313; and grading, A. J. Reeder, \$10,990.

Architect Chester Cole, Waterlund-Freswater Bldg., Chico, has awarded a contract to McDaniel & Burroughs, Marysville, for the erection of a two-story and basement frame and plaster residence at Yuba City for Carl Schnäbel. The building will cost \$14,000.

Architect Cole is completing plans for a two-story and basement frame dwelling to be erected in Chico for R. F. Urzuhart, the structure to cost \$4,500.

Architect C. W. McCall, Central Bk. Bldg., Oakland, will shortly take figures for a two-story frame residence to be erected in Piedmont Highlands, Alameda County, at a cost of \$12,000. The building will contain twelve rooms.

Architect H. H. Meyers, Kohl Bldg., has completed plans and bids will be received up to October 7th for the addition to be erected to the Washington school building in Berkeley. The addition will be two stories in height and of brick construction.

From plans prepared by Architect Meyers the contract for the extensive alterations to the two-story frame Alameda County Hospital building has been awarded to W. M. Manning of Oakland at \$53,000.

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

### JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street San Francisco

### Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock Doors, Sash Frames and Mouldings

House Phone, Kearny 2967  
Apartment Phone, Kearny 2307

### FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

### HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLICH  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
OREGON-MAPLE-PLAIN OAK  
QUARTERED OAK  
WYOMING-BENDING OAK  
POPLAR-WALNUT



BOXWOOD-EBONY-HONOLULU  
JENISERO-KOA-SPANISH CEDAR  
LIGNUM-VITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAM  
SCOTTED GUM-DROG-SAN WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYOMING VENEERED PANELS  
DOWELS-TREENAILS VENEERS

### WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

### PIERCE-BOSQUIT, Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

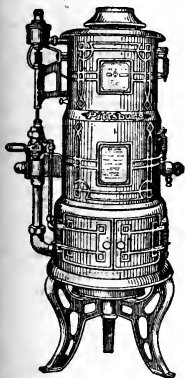
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., October 1, 1919

Published Every Wednesday  
Nineteenth Year, No. 40



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze Will not exude

Will not give off noxious gases

No thawing

No leaking

No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill. ....	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago .....	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago .....	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago.....	TREASURER
C. E. DRAYER .....	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng., Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry., Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co. ....	THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles.....	W. P. R. R.
L. D. Howland.....	C. C. Moore Co.
J. F. Johnston.....	N. W. P. Co.
I. G. Grundel.....	Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown.....	S. P. R. R.
E. B. Crane.....	C. M. & P. S. Ry.
P. J. Rowell.....	I. C. C.

### COMPENSATION COMMITTEE

G. M. Nelson.....	Consulting Eng.
E. V. Vandercook.....	S. P. R. R.
W. T. Cleland .....	Chief Dep. Sur. Santa Clara Co.
V. D. Cousins.....	P. T. & T. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp.....	S. P. R. R.
EMPLOYMENT REPRESENTATIVE	

### MEMBERSHIP COMMITTEE

F. J. Amweg.....	Consulting Eng.
D. L. Reynolds.....	Pac. Fruit Ex. Co.
F. J. Amweg.....	Sonsulting Eng.
W. H. Rupp.....	S. P. R. R.
E. D. Brown.....	Redwood Mfrs. Co.
Clarence D. Stone.....	S. P. Co.
A. B. Hartley.....	S. P. Co.
H. W. Shrieber.....	City of Oakland.
F. E. Gelbel.....	S. P. Co.
C. E. Newberry.....	Inter. Com. Com.
J. F. Johnston.....	Union Const. Co.
E. V. Vandercook.....	S. P. Co.

### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.
W. S. Wollner.....	N. W. P. Co.

### QUALIFICATION COMMITTEE

W. H. Phelps.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.

### PUBLICITY COMMITTEE

E. D. Brown.....	Redwood Mfrs. Co.
G. M. Nelson.....	Consulting Eng.

### POLITICAL COMMITTEE

E. H. Herbert.....	Oliver Mfg. Co.
--------------------	-----------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHAPTERS & CLUBS:

### SACRAMENTO CHAPTER

Lathrop, H. A.....	Secretary
1321 Thirty-third St.,	
Sacramento	California

### LOS ANGELES CHAPTER

Harris, A. L.....	Secretary
1104 Central Building	
Los Angeles	California

### PORTLAND CHAPTER

Barnes, R. W.....	Sec. & Treas.
36 Union Station	
Portland	Oregon

### FRESNO CHAPTER

Jean L. Vincenz.....	Secretary
P. O. Box 322	
Fresno	California

### SAN DIEGO CHAPTER

Grumm, Fred.....	Secretary
2398 Spruce Street	
San Diego	California

### SAN BERNARDINO CLUB

Woods, M. A.....	Secretary
608 Tenth Street	
San Bernardino	California

### EUREKA CLUB

Howard, F. W.....	Secretary
Eureka	California

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
500 Mission Street.  
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEAD-QUARTERS.

The executive committee of the American Association of Engineers has rendered a decision that the constitution of the Association does not prohibit the admission of architects, and announces that the applications of architects will be considered hereafter as in the same status as applications from engineers. Those architects who have previously applied for membership and whose applications could not be accepted on account of the apparent exclusion of architects by the constitution, may now re-enter their applications for membership.

The American Association of Engineers announces the appointment of the following chairmen of national committees for the ensuing year:  
Americanization—Garrison Babcock, consulting telephone engineer, Chicago.

Education—Professor Frederick Bass, of the University of Minnesota, Minneapolis.

Ethics—Isham Randolph, consulting engineer of Chicago.

Finance—Glen Vivian, Accounting Department, Bureau of Statistics, Chicago, Milwaukee and St. Paul Ry., Chicago.

Highway—R. C. Yeoman, chief engineer, Indiana Sand and Gravel Association, Indianapolis.

Legislation—W. H. Whipple, chief engineer, Line Association, Washington, D. C.

Membership—R. W. Barnes, principal assistant engineer, Southern Pacific Ry., Portland, Oregon.

Municipal Engineering—S. C. Had-den, editor of Municipal and County Engineering, Chicago.

Practice—H. W. Clausen, general office manager, C. D. Osborne Company, Chicago.

Program—L. Winslip, assistant engineer Missouri Pacific Ry. Company, St. Louis, Mo.

Public Relations—L. K. Sherman, president of the United States Housing Corporation, Washington, D. C.

Publications and Publicity—W. W. Horner, chief engineer, City of St. Louis.

Qualifications—A. C. Irwin, engineer Structural Bureau, Portland Cement Association, Chicago.

Salaries of Engineers in Public Service—A. N. Johnson, consulting highway engineer, Portland Cement Association, Chicago.

## HIGHER PAY FOR ENGINEERS ASKED.

### Schedule of National Association Is Used as Basis for Changes.

In sponsoring a movement to secure adequate pay for all classes of men in the public service of the city, county, port and state, the Associated Engineering Societies of Seattle have presented the city council with a schedule of proposed salaries for city employees in engineering service represented by grades 7, 6, 5 and 4. Class A, and recommends the following schedule:

Grade 7, \$400 to \$625 per month.  
Grade 6, \$350 to \$600 per month.  
Grade 5, \$325 to \$550 per month.  
Grade 4, \$250 to \$300 per month.

The following schedule of salaries has been adopted by the American Association of Engineers:

City Engineer, annual work, \$5,000 to \$15,000.

City Engineer, annual work, \$2,500 to \$10,000.

City Engineer, annual work, \$1,000 to \$7,500.

City Engineer, annual work, \$500 to \$5,000.

Department Engineer, \$7,500.

Division Engineer, \$7,500.

Assistant Engineer, \$3,600.

Instrument man (preferably technical graduate), \$2,400.

Rodman (high school, 2nd grade), \$1,500.

Inspector, \$1,800.

Architect, \$5,000.

Designing Engineer (technical graduate, 10 years' experience), \$6,000.

Designer (technical graduate, 5 years' experience), \$4,000.

Detailer (technical graduate preferable), \$3,000.

Tracer (technical high school), \$1,800.

Draftsman, architectural, \$3,000.

Draftsman, map or topographic, \$2,400.

Draftsman, structural, \$2,400.—Portland Record-Abstract.

## WASTING PUBLIC FUNDS ON POOR PAVING.

By Cedric B. Smith.

A few years ago one of the smaller cities in Missouri engaged a civil engineer to design and construct about a mile of pavement. This city had laid a short stretch of brick paving two years before which had given excellent service during the time it had

been in use. When the new engineer arrived on the job the city council instructed him to draw up specifications for the new paving which was to be laid. This engineer was a man of experience in city work, and one who was well acquainted with the types of paving most suitable to the climate and traffic conditions of that part of the country. He decided that the brick pavement which had been laid two years before should be used in the new work, and prepared specifications for the job.

When the specifications were completed the council held a special meeting to approve them and authorize the engineer to proceed. They were well drawn and complete. They called for brick paving on a concrete base, or foundation. The council was interested and the members appeared to be satisfied until they finally grasped that the concrete base was to be six inches thick. At this point the expressions on their faces showed that their faith in the engineer had been shattered. When the previous paving had been laid the base had been constructed three inches thick—not on the advice of an engineer but simply because the president of the council, who was superintendent of the water works and chief of the police force of three, thought that three inches was plenty thick enough—and here was an engineer who proposed to waste a three-inch depth of concrete. The council ordered the plans to be revised for a base half as thick. The engineer protested that the paving would not stand up unless such a base were provided, but without avail. The councilmen were obdurate—they didn't propose to have any college-bred engineer tell them how to run the city. They requested his resignation. It was forthcoming at once and accepted without argument. The council revised his specifications to provide for the three-inch base, and let a contract for the construction of the paving.

The paving was laid by a reputable contractor who did a good job. When the work was finally completed the city council congratulated itself on having saved the tax payers some money. The following year the paving which had been laid three years before was uneven and showed signs of cracking. Two years later this paving had deteriorated so much that it was necessary to remove the brick and replace the original three-inch concrete base which had become cracked

and useless with a heavier base. A couple of years later the same thing had to be done with the second stretch of paving. The cost of making these changes amounted to almost as much as the original cost.

Here is an instance of the tax payers' money being wasted because expert engineering advice was not followed. An inexperienced administrative body, even though its intentions were of the best, had considered its qualifications sufficient to justify it in disregarding the opinion of an experienced engineer, and had thereby increased the cost of a public improvement by about eighty per cent.

This means of saving (?) public funds is not unusual. There are many instances where money appropriated for construction of works for use of a community has been expended just as uselessly. In the construction of paving this waste of funds has been notorious. Sometimes this result has been due to actual dishonesty of city officials or of contractors who obtained contracts through political rather than through usual business means. In many cities the right of a property owner to specify the kind of paving he wishes laid in front of his property often causes the selection of the wrong type of paving.

The property owner, particularly in residential districts, is sometimes not concerned with the adequacy of the

paving which is to be laid on the street on which his property abuts. He often feels that the smallest expense necessary is the maximum amount which should be spent, since the street will not probably be used by himself and his neighbors half as much as by other traffic. For this reason he is not in the best frame of mind to determine the kind of paving which will be most economical and which is best suited to local conditions. He is sometimes influenced by representatives of manufacturers of paving materials, and the result is that the paving is not always adequate for the kind and amount of traffic and the climate. The city engineer should be charged with determination of the character of paving and his recommendations should be followed.

If a man has a job to do which he is not qualified to perform himself he will, if he is determined to obtain the best results, obtain expert advice as to the conduct of his operations, or if necessary engage someone to perform the duties with which he is unfamiliar. City officials are not always competent to direct engineering activities. If they are not they will obtain the best results by obtaining and following expert engineering advice. This procedure is becoming more and more usual every day. Until it is universal, money contributed by tax payers for the construction of public works will continue to be wasted.

#### BOULEVARD EXPANDS, CAPSIZING AUTO.

SELBYVILLE, Del.—The most peculiar automobile accident ever known in this section happened recently. When an automobile driven by Lemuel Evans of near Dagsboro was caught on the duPont cement boulevard near Selbyville just at a moment when the concrete suddenly expanded.

The expansion took place from one side of the road to the other and was about five yards long, pushing the concrete up in the middle at least four feet high and overturning the automobile. Evans could not understand what had happened. As he was driving along, the front of his car suddenly rose in the air and the car settled over on its side.

The break is the biggest ever seen on the road and experts who viewed it from the State Road Commission declare that no such rise has ever been known to have taken place so suddenly. It will cost over \$500 to repair the place torn up by its own pressure. —Wilmington (Del.) Journal.

Engineers Baker, Carpenter & Waters, 58 Sutter street, have awarded a contract to McLeran & Peterson, Sharon Bldg., for the construction of cattle stalls, grand stand, etc., for the International Live Stock Show at the California Building, Exposition Grounds. Contract price \$11,500.

San Francisco, September 22, 1919.

Mr. George M. Nelson, C. E.  
Consulting Engineer,  
403 Wells-Fargo Express Building,  
San Francisco, California.

Dear Sir: In reply to your letter of September 18, requesting information in regard to the salaries paid to engineers in the Department of Safety of the Industrial Accident Commission:

Attached you will find a list showing the salaries paid the various engineers and inspectors at the present time. A close analysis of the list will show certain discrepancies. There are a few variations which perhaps are not entirely justifiable from the standpoint of the classes of work performed, but these have grown up with the Department and it will doubtless take some time to secure complete standardization.

I am very favorably inclined toward the work which you are doing, and if there is additional information which you desire, an effort will be made to supply it promptly on request.

Yours very truly,

H. M. WOLFLIN,  
Superintendent of Safety.

Salaries, Department of Safety, Industrial Accident Commission of the State of California.

#### Appointive Positions.

1 Superintendent of Safety .....	\$5000
<b>State Civil Service Positions.</b>	
1 Assistant Superintendent of Safety .....	3150
1 Chief Mine Inspector .....	3150
2 Deputy Mine Inspectors .....	3000
1 Chief Boiler Inspector .....	3000
1 Boiler Inspector .....	2400
2 Boiler Inspectors .....	2100
2 Boiler Inspectors .....	1980
1 Electrical Engineer .....	3000
1 Electrical Inspector .....	2100
1 Electrical Inspector .....	1980
1 Construction Engineer .....	3000
1 Safety Engineer .....	3000
1 Chief Elevator Inspector .....	2700
1 Elevator Inspector .....	2100
3 Elevator Inspectors .....	1980
2 Elevator Inspectors .....	1800
1 Mechanical Engineer (Entrance Salary) .....	2100
(Maximum Salary, \$3,000.00)	

San Francisco, Calif.,  
September 8th, 1919,  
727 Wells-Fargo Bldg.

American Association of Engineers,  
San Francisco, Calif.

#### Subject:

Recommended Salaries of Engineers Employed by the Interstate Commerce Commission, Bureau of Valuation to Conform to A. A. E. Schedule.

Gentlemen: We, the undersigned, members and prospective members of the American Association of Engineers, all employees of the United States Government, respectfully submit the attached information and schedule of present and proposed salaries for the Association's use.

It is desired that the Local Chapter approve the attached schedule, and recommend that the National Headquarters take necessary action.

Yours for co-operation,  
(Originally signed) C. A. NORDEN,  
Secretary.

(Signed)

J. H. Lane, A. S. C. E.	G. T. Morris
J. P. Sumney	H. C. Miller
H. F. Lindacher	P. E. Dufour (No. 6009)
C. B. Rush	D. E. Jackson
(number not assigned)	W. A. Robinson
D. D. Sprague	C. P. Clow
C. S. Crockett	C. A. Norden (No. 6721)
B. Jameson	Dean Wilson
P. M. Kyte	H. R. Trevor
R. R. Smith	L. R. Maag
R. C. Farmer	F. C. Cross
M. H. Wright	H. L. Marisette
Allingsworth Wilson	C. A. Templeton
(No. 7431)	J. F. Jeffrey
James Adkins, Jr.	W. R. Densmore
R. E. Heine	C. M. Kast
F. L. A. Golinski	(Mem. Am. Soc. C. E.)
B. W. Booker	H. J. Saunders
(number not assigned)	(Mem. Am. Soc. C. E.)
J. R. Arnold	F. W. Herron
John E. Norton (No. 5090)	F. Demhirst
N. S. McNamara (No. 6011)	Chas. A. Hall (A. S. M. E.)
P. R. Tiegust	

In connection with certain increases in salaries of

technical men employed by railroads and other large corporations, it seems pertinent to call attention to the marked discrepancy in salaries paid the Government Engineers, who are now engaged in the valuation of the railroads, when compared to the salaries paid the railroad men performing similar duties.

In 1913, the Interstate Commerce Commission was directed by Congress to make a valuation of the property of the common carriers of the United States, and in order to properly carry out this law, a Division of Valuation was organized.

The Civil Service Commission offered examinations fixing minimum and maximum salaries for various positions. When eligibles were secured in response to the examinations, the Interstate Commerce Commission created positions carrying salaries which usually were those of the minimum as specified in the Civil Service examinations.

This schedule of salaries fixed in 1913 and 1914 has not been increased up to the present date, except as certain salaries have been affected by the \$10 and \$20 bonuses granted to all Government employees. Old employees, of course, have been promoted to higher positions as fast as vacancies occurred, but the schedule itself has remained unchanged except in one or two instances.

It would, therefore, appear that 600 or more technical men engaged in this work, many of them enthusiastic members of the American Association of Engineers, should receive the assistance of this Association in persuading the Director of Valuation to recommend the various increases in salaries as outlined herewith.

Many of the men to be benefitted by this increase have been in this service during the entire five years the work has been in progress, and all are loyal and efficient employees.

They are, however, beginning to feel a state of unrest, due to the fact that they are working in co-operation with railroad engineers, whose duties and responsibilities are no greater than theirs, but whose salaries are in many cases some 20 to 50 per cent higher.

Here is a chance for your good work.

#### Schedule Showing Present Salaries and Recommended Salaries for Technical Employees of Interstate Commerce Commission Bureau of Valuation.

	Present Salary. Per annum	Recommended Minimum Salaries depending on im- portance of duties. Per annum
Member of Engineering Board in Charge of One Valuation District .....	\$7500	\$9000
District Engineer in charge under general direction of M. E. B. ....	5400	6500
Assistant District Engineer similar duties to Dist. Eng. to whom he reports	4500	5400
Senior Tel. & Tel. Engr. in charge of valuation of T. & T. properties .....	3900	4800
Senior Structural Engineer in charge of valuation of structures and buildings	3900	4800
Senior Mechanical Engineer in charge of valuation of Mechanical Prop. ....	3900	4800
Senior Electrical Engineer in charge of valuation of Electrical property .....	3900	\$4000—4800
Senior Signal Engineer in charge of valuation of Signal property .....	*\$2640—3900	4000—4800
Senior Architect in charge of valuation of buildings	3900	4000—4800
Senior Civil Engineer in charge of several survey parties—Roadway branch—or Supervising Engineer on final report work	3000—3900	4000—4800

Senior Civil Engineer—Office Engineer, Roadway Branch .....	*2740	3600
Senior Civil Engineer—Cost Engineer, Roadway Branch .....	*2640—2740	3000—3300
Senior Civil Engineer in charge of roadway Field Party .....	*2640	3000
Senior Structural Engineer in charge of Field Party ..	*2340—*2640	2700—3300
Senior Structural Engineer in charge of office work and pricing .....	*2340—*2740	2700—3300
Senior Mechanical Engineer in charge of field party .....	*2340—*2640	2700—3000
Senior Mechanical Engineer in charge of office work and pricing .....	*2340—*2740	2700—3300
Senior Tel. & Tel. Engineer in charge of field or office	*2040—*2640	2580—3000
Senior Civil Engineer—Draftsman .....	*2040—*2340	2580—2700
Senior Civil Engineer—Head Office or Pricing Computer .....	*2040	2580
Junior Civil Engineer—Recorder on Field Party ..	*1920	2400
Junior Civil Engineer—Instrumentman on Surveys .....	*1560	2100
Junior Civil Engineer—Office Computer .....	*1440—1920	1800—2400
Junior Structural Engineer—Recorder or Assistant to Senior Struct. Engr. in field or office .....	*1740—*2040	2100—2400
Junior Structural Engineer—Office Computer .....	*1440—*1920	1800—2400
Junior Architect .....	*1440—*1920	1800—2400
Junior Mechanical Engineer—Assistant to Senior Mechanical Engr. in field or office work .....	*1740—*2040	2100—2400
Junior Mechanical Engineer—Office Computer ..	*1440—*1920	1800—2400
Junior Electrical Engineer—Asst. in field or office .....	*1740—*2040	2100—2400
Junior Tel. & Tel. Engineer—Asst. in field or office .....	*1740—*2040	2100—2400

\*Includes \$240.00 bonus granted by Congress for the fiscal year ending June 30th, 1920.

San Francisco, Calif., Sept. 20, 1919.

American Association of Engineers,  
63 East Adams Street,  
Chicago, Illinois.

Gentlemen: For your information, I am enclosing copy of letter together with proposed schedule compiled by local engineers employed by the Interstate Commerce Commission covering increased compensation.

At a meeting held September 15th, it was unanimously voted by the San Francisco Chapter that they approve the Interstate Commerce Commission letter of September 8th, 1919, in principle and ask National Headquarters that they signify their willingness to take the matter up with the Director of Valuation. Further that the Chapter urges action on this matter by the other Chapters and Clubs situated in cities where other Interstate Commerce Commission District Headquarters are located, and that a schedule be made by the local compensation committee who will in due course report their findings to the National Compensation Committee.

Will you kindly take such action as is best to most effectively secure the desired increased compensation for this important class of engineers.

Very truly yours,  
ALBERT G. MOTT, Secretary.

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

Plans Prepared.  
 APARTMENTS, ETC. Cost, \$—  
 MODESTO, Stanislaus Co., Cal. Ninth  
 Street bet. "J" and "K" Sts.  
 Three-story and basement brick gar-  
 age and apartments, 87x100.  
 Owner—Bagby & Mott, 1010 9th St.,  
 Modesto, Cal.  
 Architect—Not Given.

Segregated Figures Being Taken.  
 APARTMENTS Cost, \$55,000  
 SAN FRANCISCO. NE Stockton and  
 Emma Streets.  
 Five-story and basement brick apart-  
 ments (16 3 and 4 room apts).  
 Owner—H. H. Helbush, 75 Sutter  
 St., San Francisco.  
 Architect—E. E. Young, 251 Kearny  
 St., San Francisco.

Plans to be Prepared.  
 APARTMENTS Cost, \$—  
 NAPA, Napa Co., Cal. Third and  
 Randolph Streets.  
 Frame apartment house.  
 Owner—Russ Conner and wife, Napa.  
 Architect—Not Yet Selected.

Segregated Figures Being Taken.  
 APARTMENT HOUSE Cost, \$110,000  
 SAN FRANCISCO. SE Ellis and Polk  
 Streets.  
 Six-story Class "C" reinforced concrete  
 apartment house, 35 2-room apts.  
 Owner—Thos. and Philip Bannan.  
 Architect—C. O. Clausen, Hearst Bldg.,  
 San Francisco.

Contract Awarded. Sub-Figures Btng  
 Taken.  
 APARTMENTS Cost, \$—  
 SAN FRANCISCO. SW Fifteenth Ave.  
 and Geary Street.

Two three-story frame apartment  
 houses, 100x142; 24 3 and 4 room  
 apts. (Colonial style with garage  
 court between the buildings,  
 fountain pool, ec. Basement gar-  
 ages.

Owner—Benj. Schloss.  
 Architect—August Headman, Call  
 Bldg., San Francisco.

Concrete work to American Concrete  
 Co., Humboldt Bank Bldg.  
 Carpenter, and mill work to Andrew  
 Nelson, 467 Turk Street.

Roofing to Thos. Price, Monadnock  
 Building.

Painting to R. Zelinsky, 1512 Cal-  
 ifornia Street.

Plumbing to G. N. Zaro, 3150 Turk St.  
 Electric work to Turner Co., 272 Te-  
 hama Street.

Tiling to Mangrum & Otter, 827 Mis-  
 sion Street.  
 Brick work to Emil Hogberg, 180  
 Jessie Street.

Ornamental iron work to The Folsom  
 Street Iron Works, 18th and  
 Folsom Street.

Star building to A. O. Wagner, 2216  
 Folsom Street.

Murble to Joseph Musto Sons-Keenan  
 Co., 535 North Point St.  
 Sheet metal work to Frank Davidson  
 142 Herman Street.

Plastering to W. Williams, 110 Jessie.  
 Figures being taken for hardware,  
 glass, hardwood floors and electrical  
 fixtures.

#### BANKS

Plans Being Prepared.  
 ALTERATIONS Cost, \$—  
 MODESTO, Stanislaus Co., Cal. SE  
 Tenth and "V" Streets.  
 General alterations and extensions for  
 banking quarters.  
 Owner—The Modesto Bank, D. K.  
 Young, Cashier, Premises.  
 Architects—H. H. Winner Co., Hum-  
 boldt Bank Bldg., San Francisco.

Preliminary Plans Prepared.  
 BANK BUILDING Cost, \$75,000  
 HEALDSBURG, Sonoma Co., Cal.  
 One-story brick and terra cotta bank  
 building.  
 Owner—Healdsburg National Bank.  
 Architect—Fred'k. H. Meyer, Bankers'  
 Invest. Bldg., San Francisco.

Ready For Figures End of This Week  
 BANK BLDG. Cost, \$25,000  
 KELSEYVILLE, Lake Co., Cal.  
 One-story reinforced concrete bank  
 building (branch bank).  
 Owner—Farmers Bank of Lakeport.  
 Architect—Norman R. Coulter, 46  
 Kearny St., San Francisco.

Contract Awarded.  
 BANK AND OFFICES Cost, \$35,000  
 OROVILLE, Washington.  
 Two-story and basement brick bank  
 and office building, 72x34.  
 Owner—Bank of Oroville.  
 Architect—V. W. Voorhies, Eitel Bldg.,  
 Seattle, Wash.  
 Contractor—Hurley Mason Co., Low-  
 man Bldg., Seattle, Wash.

#### CHURCHES

Plans Being Completed.  
 REMODEL CHURCH Cost, \$45,000  
 WALLA WALLA, Wash.  
 Remodel church building.  
 Owner—St. Patrick's Church.  
 Architects—Beezer Bros., Seaboard  
 Bldg., Seattle, Wash.  
 Work will consist of new windows,  
 terrace and tile work, ornamental  
 plaster, new altar, fixtures, etc.

Sketches Prepared. Funds Yet to be  
 Raised.  
 CHURCH Cost, \$50,000  
 FRESNO, Fresno Co., Cal. Corner  
 Belmont and College Avenues.  
 Fireproof church building.  
 Owner—North Side Christian Church,  
 Chas. L. Real, Pastor, Fresno.  
 Architects—Swartz & Swartz, Rowell  
 Bldg., Fresno.

Contract Awarded on a Percentage  
 Basis.  
 CHAPEL, ETC. Cost, \$25,000  
 approximately.

BERKELEY, Cal. The Alameda and  
 Los Angeles Avenue.  
 One-story frame chapel and social  
 hall (readingrooms, bowling alley  
 etc.).

Owner—Northbrae Presbyterian  
 Church, Rev. F. S. Brush, Pastor.  
 Architect—John H. Thomas, 1st Nat'l  
 Bank Bldg., Berkeley.  
 Contractor—H. P. Hoyt, Monadnock  
 Bldg., San Francisco.

#### FACTORIES & WAREHOUSES

Plans Being Prepared.  
 FACTORY Cost, \$—  
 ALTON, Humboldt Co., Cal.  
 Frame cheese factory, 32 by 120 with  
 "T" 32 by 36 feet.  
 Owner—Grizzly Bluff Creamery Co.,  
 Alton, Cal.  
 Architect—Not Yet Selected.

Plans Being Prepared.  
 LOFTS. Cost, \$60,000  
 RENO, Nevada.  
 Four-story brick and terra cotta lofts  
 and auto sales rooms.  
 Owner—Sierra Auto Supply Co.  
 Architect—Geo. C. Sellon & Co., 1005  
 8th St., Sacramento, Calif.  
 Two elevators, vacuum and steam  
 heating systems, oil burning.

Plans Being Prepared.  
 Plans Being Prepared.  
 FACTORY & OFFICE. Cost, \$200,000  
 SACRAMENTO. 12th St. road beyond  
 city limits.

One and three-story auto and carriage  
 factory and offices.  
 Owner—A. & E. Meister.  
 Architect—E. C. Hemmings, 1203 "J"  
 St., Sacramento.

Plans Being Prepared.  
 BOILER ROOM, ETC. Cost, \$—  
 EUREKA, Humboldt Co., Cal.  
 Concrete and steel frame boiler room  
 and fuel house building, 72x208.  
 Owner—Hammond Lumber Co.  
 Engineer—H. J. Brunner, Sharon  
 Bldg., San Francisco.

Contract Awarded.  
 WAREHOUSE. Cost, \$72,000  
 SACRAMENTO, Calif. 21st and "R"  
 Streets.

Five-story and basement brick and  
 reinforced concrete warehouse.  
 Owner—Capitol Sacramento Van &  
 Storage Co.

Architect—Woollett & Lamb, Physi-  
 cians' Bldg., Sacramento, Calif.  
 Contractor—Geo. D. Hudnutt, Inc., Cal-  
 ifornia Fruit Bldg., Sacramento,  
 Calif.

Contract Awarded.  
 ADDITION. Cost, \$26,559  
 SACRAMENTO. Cal. 14th and "R"  
 Streets.  
 One and two-story addition to manu-  
 facturing plant.  
 Owner—Perfection Bread Co., 1731  
 14th St., Sacramento.  
 Architect—Clarence C. Cuff, Ochaner  
 Bldg., Sacramento.

Contractor—Herndon & Finnigan, 1714  
16th St., Sacramento.

Contract Awarded.  
**ALTERATIONS** Cost, \$—  
SAN FRANCISCO. No. 46 Kearny St.  
Alter 5th floor of building for candy  
factory.  
Owner—Maskey Estate, Premises.  
Architect—Norman R. Coulter, 46  
Kearny St., San Francisco.  
Contractor—Schultz Constr. Co., 46  
Kearny St., San Francisco.

Sketches Prepared.  
**FACTORY** Cost, \$—  
WOODLAND, Yolo Co., Cal. Near  
Woodland.  
Tobacco factory.  
Owner—Chiflakis Bros., Esparto, Cal.  
Designer—James Chiflakis, Esparto.

Plans Being Prepared.  
**ADDITION** Cost, \$11,000  
OAKLAND, Alameda Co., Cal. 18th  
Avenue and E-12th Street.  
One-story brick addition, 50x114 to  
auto paint factory.  
Owner—Liberty Auto Co.  
Architect—Jas. W. Plachek, 2014 Shat-  
tuck Ave., Berkeley.  
When plans are complete bids will  
be taken by the owner.

Plans Being Figured.  
**MACHINE SHOP** Cost, \$7,500  
SAN FRANCISCO. E Sixth Street S of  
Bryant.  
One-story concrete and frame machine  
shop building.  
Owner—Withheld.  
Architect—Henry C. Smith, Humboldt  
Bank Bldg., San Francisco.

Preliminary Sketches Being Prepared.  
**PACKING PLANT** Cost, \$—  
NEAR SACRAMENTO, Cal.  
Packing plant.  
Owner—Withheld.  
Architect—F. A. Foale, Ochsner Bldg.,  
Sacramento.

Bids Taken Under Advisement.  
**FACTORY.** Cost, \$—  
SAN FRANCISCO. NE Fifth and Fol-  
som Streets.  
Two-story brick and reinforced con-  
crete factory building.  
Owner—Pacific Bag Co.  
Architect—S. Helman, 57 Post St., San  
Francisco.  
W. C. Duncan & Co., Sharon  
Bldg. .... \$12,690  
Clinton Constr. Co. .... 14,077  
Alfred Vogt ..... 14,270  
J. S. Malloch ..... 14,275  
McGowan ..... 15,945  
John Spargo ..... 16,196  
J. Harold Johnson ..... 16,396

Plans Being Prepared.  
**FACTORY** Cost, \$100,000  
RICHMOND, Contra Costa Co., Cal.  
Three-story reinforced concrete fac-  
tory building, 75x236.  
Owner—Withheld.  
Architect—Frank S. Holland, 1629 Pol-  
som St., San Francisco.

Bids to be Called For Shortly.  
**EXTENSION OF PIER NO. 27**  
Cost, \$—  
SAN FRANCISCO. San Francisco  
Waterfront.  
Extension of Pier No. 27 and frame  
shed.  
Owner—State Harbor Commission.

Engineer—Frank White, Ferry Bldg.,  
San Francisco.

Contract Awarded.  
**CATTLE STALLS, ETC.** Cost, \$11,500  
SAN FRANCISCO. California Building,  
Exposition Grounds.  
Cattle stalls, grand stand, etc.  
Owner—International Live Stock Show  
Architect—Baker, Carpenter & Waters  
58 Sutter St., San Francisco.  
Contractor—McLeran & Peterson,  
Sharon Bldg., San Francisco.

REDWOOD CITY, San Mateo Co.,  
Cal.—The Chamber of Commerce is  
assisting the Pratt-Low Canning Com-  
pany of Santa Clara in locating a site  
here on which it plans to erect a new  
plant. It is estimated a building cost-  
ing \$250,000 will be erected.

## FIRE HOUSES AND JAILS

Plans Being Prepared.  
**DEPOT BLDG.** Cost, \$—  
MARYSVILLE, Yuba Co., Cal.  
One-story brick and stucco depot  
building with tile roof.  
Owner—Sacramento & Northern Elec-  
tric R. R. Co.  
Architect—E. C. Hemmings, 1203 "J"  
St., Sacramento.

## FLATS

Plans Being Prepared.  
**FRAME FLATS** Cost, \$8,000  
SACRAMENTO, Cal.  
Two-story and basement frame (4)  
flats.  
Owner—Withheld.  
Architect—F. A. Foale, Ochsner Bldg.,  
Sacramento.

## GARAGES

Plans to be Prepared.  
**GARAGE** Cost, \$—  
BENICIA, Solano Co., Cal. First and  
West J Streets.  
One-story brick garage, 95x135.  
Owner—Benicia Garage, Benicia, Cal.  
Architect—Not Yet Selected.  
Plans will provide for a building  
with a foundation capable of carrying  
an additional story.

Owners to Take Sub-Figures.  
**GARAGE BLDG.** Cost, \$125,000  
SAN FRANCISCO. S Post 103 E Hyde  
Bldg. ....  
One-story reinforced concrete garage  
building.  
Owner—O'Brien-Kiernan Realty Co.,  
1756 Mission St., San Francisco.  
Architects—Rousseau & Rousseau, 110  
Sutter St., San Francisco.

Plans Being Prepared.  
**GARAGE** Cost, \$75,000  
FRESNO, Fresno Co., Cal.  
Two-story reinforced concrete garage,  
150x150.  
Owner—K. and Harry Arakelain.  
Lessee—Lee S. Dolson, San Francisco.  
Architects—Swartz & Swartz, Rowell  
Bldg., Fresno.

Plans Being Prepared.  
**GARAGE** Cost, \$22,500  
MADERA, Madera Co., Cal.  
One-story brick and concrete garage,  
100x150.  
Owner—Nello Barsotti.  
Lensed to—C. A. Chamberlain.  
Architects—Swartz & Swartz, Rowell  
Bldg., Fresno.

Plans Being Prepared.  
**GARAGE.** Cost, \$50,000  
SACRAMENTO. Sixth and "L" Streets.  
Two-story reinforced concrete garage  
and shipping depot.  
Owner—John Bruener Co., Sacramento.  
Architect—E. C. Hemmings, 1203 "J"  
St., Sacramento.

Contract Awarded.  
**AUTO SHOP** Cost, \$—  
PORTLAND, Ore. Fifteenth and Wash-  
ington Streets.  
One-story reinforced concrete auto  
spring shop, 100x150.  
Lessee—Laher Auto Spring Co.  
Architect—Emil Schacht, Common-  
wealth Bldg., Portland, Ore.  
Contractor—Stebbing Bros., Build-  
ers' Exchange, Portland, Ore.

Plans Being Prepared.  
**GARAGE** Cost, \$32,000  
PORTLAND, Ore. 16th and Gilsan Sta.  
Two-story reinforced concrete garage  
100x100.  
Owner—M. A. Mayer.  
Architect—Emil Schacht, Common-  
wealth Bldg., Portland, Ore.

Segregated Figures Being Taken.  
**REPAIR SHOP** Cost, \$10,000  
SAN FRANCISCO. Fulton near Gough  
Street.  
Two-story reinforced concrete auto re-  
pair shop (brick veneer front).  
Owner—L. Comstock.  
Architect—Walter C. Flach, Hearst  
Bldg., San Francisco.

Plans Being Figured.  
**GARAGE** Cost, \$15,000  
SAN MATEO Co.,  
One-story frame and plaster garage.  
Owner—Withheld.  
Architect—Chas. E. J. Rogers, Phelan  
Bldg., San Francisco.  
Bids will be taken for a general  
contract.

## HALL AND SOCIETY BUILDINGS.

Contract Awarded. Work Started.  
**LODGE-BUILDING** Cost, \$146,000  
SPOKANE, Wash. Riverside Avenue.  
Two-story and basement concrete  
lodge building.  
Owner—Elks Lodge of Spokane.  
Architect—K. K. Cutter, Spokane.  
Contractor—Hurley-Mason Co., Gasco  
Bldg., Portland, Ore.

GARDNERVILLE, Nevada.—The  
erection of a Masonic Hall building  
costing \$25,000 has been decided upon  
by the local order of Masons. A two-  
story brick structure is planned.

To be Done by Days Work.  
**GYMNASIUM, ETC.** Cost, \$25,000  
SAN FRANCISCO. NW Sanchez and  
Valley Streets.  
Three-story brick and concrete gym-  
nasium and school.  
Owner—Roman Catholic Archbishop  
of San Francisco, 1100 Franklin  
St., San Francisco.  
Architects—Frank Shea and John  
Lofquist, Chronicle Bldg., San  
Francisco.

## HOSPITALS

Plans Being Prepared.  
**HOSPITAL** Cost, \$100,000  
ABERDEEN, Wash.  
First unit of 4-story fireproof hospital,  
40x108, (200 rooms).

Owner—St. Joseph's Hospital.  
Architects—Beezer Bros., Seaboard  
Bldg., Seattle, Wash.

Working Drawings Complete.  
HOSPITAL Cost, \$50,000

TAFT, Kern Co., Cal.  
Fireproof hospital building.

Owner—Committee of Citizens backed  
by L. B. Little, Supt. Standard Oil  
Co., Taft, Cal.

Architects—Thos. B. Wiseman and Mr.  
Bigger, Bakersfield, Cal.

WHITTIER, Los Angeles Co., Cal.—  
The city voted to accept the gift of  
Mr. and Mrs. Wm. Milhouse of \$50,000  
for the construction of a hospital.

Plans Being Prepared.  
HOSPITAL Cost, \$20,000  
BENICIA, Solano Co., Cal. Benicia  
Arsenal.

One-story reinforced concrete Post  
-Hospital and Dispensary Building.  
Owner—United States Government.  
Architect—Engineering Dept., Benicia  
Arsenal.

Bids will be called for in about a  
week or ten days.

Work has been started on the Commis-  
sary Building for which Robert  
Trout is the contractor.

## HOTELS

WODLAND, Yolo Co., Cal.—George  
Merritt, C. Q. Nelson and A. H. Huston,  
are a committee appointed to secure  
funds for the erection of the proposed  
\$250,000 hotel building planned in this  
city. The local banks have agreed to  
put \$100,000 into the proposed project  
if the balance is raised from outsiders.

AVALON, Los Angeles Co., Cal.—  
Boos Bros. of Los Angeles, contem-  
plate erecting a six-story hotel build-  
ing to cost in excess of \$300,000 on the  
site of their cafeteria in Avalon, Cata-  
lina Island.

## PUBLIC BUILDINGS

Contract Awarded.  
ADDITION Cost, \$28,695  
RETSIL, Washington.

Fireproof addition to Washington Vet-  
erans' Home.

Owner—State of Washington.  
Architect—Not Given.

Contractor—Western Construction Co.,  
Seattle, Wash.

The heating contract was awarded to  
Dugay & Pringle of Seattle for \$2,957;  
plumbing to L. L. Lent of Bremerton  
for \$3,472, and electric work to the  
Standard Electric Co., of Seattle, for  
\$1,098.

Sketches Being Prepared. Erection of  
Building Depends upon Outcome  
of Bond Issue.

AUDITORIUM Cost, \$—  
LINCOLN, Placer Co., Cal.  
Municipal Auditorium Building.  
Owner—Town of Lincoln.  
Architect—H. A. Schoeder, Lincoln.

Preliminary Sketches Being Prepared.  
MEMORIAL HALL Cost, \$50,000  
MONTAGUE, Siskiyou Co., Cal.  
Two-story Class "C" Memorial Hall.  
Owner—Siskiyou County Memorial  
Building Association, Chas. Simon,  
President.

Architects—Woollett & Lamb, Phy-  
sicians Bldg., Sacramento.

Contract Awarded.  
EDUCATIONAL BLDG. Cost, \$83,116  
RENO, Nevadad. University Campus.  
Two-story fireproof Educational Bldg.  
Owner—State of Nevada.  
Architect—F. J. De Longchamps, Reno,  
Nevada.

Contractor—E. K. Fowler, Reno, Nev.

OROVILLE, Butte Co., Cal.—Bids will  
be received by County Clerk C. F.  
Belding up to October 10th, 2 P. M.,  
for furnishing and installing a boiler  
for heating purposes at the Court  
House.

SACRAMENTO, Cal.—The following  
bids were received by State Engineer  
W. F. McClure on September 22nd for  
work in connection with the State  
Building to be erected in the San  
Francisco Civic Center. Bids received  
on the general contract and steel are  
within the amount available, while  
bids for the granite work are above the  
estimate.

The following is a complete list of  
the bids received:

Excavation Work.  
Maurice Dillon, 180 Jessie St., \$26,500,  
75 days.  
Blanchard, Crocker & Howell, \$28,782;  
75 days.  
A. J. Reeder, \$29,700; 70 days.  
Sibley Grading & Teaming Co., \$29,900;  
60 days.  
Carlin Grading Co., \$31,255; 6 weeks.  
Alfred H. Vogt, \$41,837; 100 days.

Granite Work and Setting of Same.  
Raymond Granite Co., \$399,680; 275  
days.

McGillivray-Raymond Granite Co., \$408,-  
000; 300 days.

Steel Fabrication, Delivery & Erection.  
Kyle Co., Cal Bldg., \$121,500; 160 days.  
Dyer Bros. (Golden West Iron Works.),  
\$124,000; 160 days.

Steel (Fabrication & Delivery Only).  
Palm Iron Works, Sacramento, \$101,-  
000; 190 days.

Kyle Co., San Francisco, \$104,500; 101  
days.

Pittsburg-Des Moines Steel Co., \$106,-  
500; 100 days.

U. S. Metal Products Co., \$109,388; 130  
days.

Minneapolis Steel Mfg. Co., \$122,000.  
Delmont Iron Works Co., \$141,800; 131  
days.

Steel (Erection Only).  
C. A. Blume, San Francisco, \$14,250; 35  
days.

Kyle Co., San Francisco, \$16,000; 60  
days.

J. A. Williams, \$18,240; 60 days.

Concrete Work, Brick Work and Orna-  
mental Terra Cotta, and the Rough  
Carpenter Work.

K. E. Parker Co., Clunie Bldg., San  
Francisco, \$180,690; 120 days.

Anderson & Ringrose, San Francisco,  
\$182,332; 9 months.

Clinton Constr. Co., San Francisco,  
\$192,500; 200 days.

Hannah Bros., San Francisco, \$203,297  
450 days.

Lange & Bergstrom, San Francisco,  
\$207,500; 200 days.

Mission Concrete Co., San Francisco,  
\$209,759; 300 days.

P. F. Reilly, San Francisco, \$215,000;  
350 days.

Lindgren & Co., San Francisco, \$209,-  
300; 10 days after granite set.

Dinnwiddle Constr. Co., San Francisco,  
co., \$222,000; 200 days.

FRESNO, Fresno Co., Cal.—The City  
Trustees are contemplating a bon-  
issue with which to finance the instal-  
lation of a modern fire alarm system  
the erection of three firehouses; con-  
struction of a municipal swimming  
pool and remodeling and making ad-  
ditions to the present City Hall. Chas  
Dillon is City Clerk.

TULARE Tulare Co., Cal.—A second  
bond election has been called for  
October 27th to vote funds for the  
erection of a municipal auditorium and  
city hall building. The issue will pro-  
vide \$90,000 for the erection of both  
structures.

Warren C. Perry and G. B. Sturgeon,  
Newhall Bldg., San Francisco, are the  
architects.

VANCOUVER, Wash.—The City  
Council is planning a bond issue for  
\$80,000 with which to finance con-  
struction of a new City Hall.

ANTIOCH, Contra Costa Co., Cal.—  
The City Trustees have decided to  
eliminate the electrical heating system  
for the new City Hall building and  
substitute a complete steam heating  
plant. The Trustees consider the wir-  
ing for the electrical plant to cost  
\$2,000 while the steam heating system  
can be installed for about \$2,400.

Benj. G. McDougall, Sheldon Bldg.,  
San Francisco, is the architect and  
Lindgren Co., the general contractors.

## RESIDENCES.

Owner to Take Figures.

RESIDENCE Cost, \$5,000  
BERKELEY, Alameda Co., Cal. San

Mateo and Indian Rock Avenue.

One-story frame and stucco residence.  
Owner—E. F. Louideck.

Architect—Jas. W. Plachek, 2014 Shat-  
tuck Ave., Berkeley.

Segregated Figures Being Taken  
From San Mateo Contractors.

RESIDENCE Cost, \$11,000  
MENLO PARK, San Mateo Co., Cal.

One-story and basement frame resi-  
dence (8 rooms and separate gar-  
rage.)

Owner—A. Enten.

Architect—S. Helman, 57 Post Street,  
San Francisco.

Plans Ready for Figures About Sep-  
tember 27th.

RESIDENCE Cost, \$20,000  
RENO, Nevada.

Two-story and basement brick resi-  
dence.

Owner—W. H. Duncan.

Architect—Geo. C. Sellon, 1005 8th St.,  
Sacramento, Calif.

Steam heat, oil burning system,  
vacuum system, inter-communicating  
phone system, shingle roof.

Plans Being Revised. To be Re-  
Figured.

RESIDENCE Cost, \$5,000  
RICHMOND, Contra Costa Co., Cal.

Mira Vista Tract.

Two-story frame residence.  
Owner—A. C. Morehead.

Architect—John Hudson Thamos, 1st  
National Bank Bldg., Berkeley.



Contract Awarded.  
**BRICK WORK FOR RESIDENCE**  
 Cost, \$—  
**PALO ALTO.** Stanford University Campus.  
 Brick work for reinforced concrete residence.  
 Owner—Mrs. Lou Henry Hoover, Stanford University, Palo Alto.  
 Architect—A. B. Clark, 4 Cabrillo Campus, Palo Alto.  
 Contractor—H. P. Nelson, 2241 Grove, Oakland.

Contract Awarded.  
**RESIDENCE** Cost, \$3400  
**ALAMEDA.** Alameda Co., Cal. Pearl Street, No. 1712.  
 Two-story frame residence.  
 Owner—Mr. Linwood Palmer.  
 Architect—Edwin J. Symmes, 1700 Pearl St., Alameda.  
 Contractor—Alex. Wieben, 1919 Fruitvale Ave., Oakland.

To Be Done by Day Work.  
**RESIDENCE** Cost, \$—  
**LOS ANGELES.** 8th and Westchester Streets.  
 Two-story hollow tile and reinforced concrete residence (7 rooms).  
 Owner—J. B. Harris, 218 South Gramercy Place, Los Angeles.  
 Architects—Wm. Curlett & Son, 518 Merchants National Bank Bldg., Los Angeles.

Plans Being Prepared.  
**RESIDENCE** Cost, \$—  
**LOS ANGELES.** Cal. Wilshire Heights.  
 Two-story hollow tile and reinforced concrete residence (7 rooms).  
 Owner—S. H. Stearn.  
 Architects—Wm. Curlett & Son, 518 Merchants National Bank Bldg., Los Angeles.

Plans Being Figured.  
**RESIDENCE** Cost, \$4,000  
**SANTA MARIA.** Santa Barbara Co., Cal.  
 One-story frame and plaster residence (5 rooms).  
 Owner—Arthur Froom, Santa Maria.  
 Architect—Fay R. Spangler, Jones Bldg., Santa Maria.

Plans Being Prepared.  
**ALTERATIONS.** Cost, \$10,000  
**CHICO.** Butte Co., Calif. Dayton Road.  
 Alterations for residence.  
 Owner—T. W. Rodgers, Chico.  
 Architect—Woollett & Lamb, Physicians' Bldg., Sacramento, Calif.

Plans Being Prepared. Foundation Contract Let.  
**RESIDENCE** Cost, \$25,000 complete with furnishings.  
**SANTA MARIA.** Santa Barbara Co., Calif.  
 One-story and basement frame and stucco residence (9 rooms and 2 bath).  
 Owner—J. B. Arellanes, Santa Maria.  
 Architect—Fay R. Spangler, Jones Bldg., Santa Maria.  
 Contractor—W. J. Smith, Santa Maria.

Plans to Be Prepared.  
**RESIDENCE** Cost, \$15,000  
**MARYSVILLE.** Yuba Co., Cal. Location not yet selected.  
 Brick or frame residence.  
 Owner—Rev. P. Guerin (Catholic Clergy), Marysville, Cal.  
 Architect—Not Yet Selected.

Contract Awarded on a Percentage Basis. Sub-Figures Being Taken.  
**RESIDENCE**  
 Cost, approximately \$30,000.  
**HILLSBOROUGH.** San Mateo Co., Cal.  
 Two-story frame and plaster residence and garage (18 rooms).  
 Owner—G. L. Rathbone, 1436 Burlingame Ave., Burlingame.  
 Architects—Bakewell & Brown, 251 Kearny St., San Francisco.  
 Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.  
 The Duncan Co. are taking figures on all sub-contracts.

Plans Being Figured. Bids Close Sept. 29, 1919.  
**RESIDENCE** Cost, \$10,000  
**SAN FRANCISCO.** N Clay 75 E Steiner  
 Two-story and basement frame and plaster residence.  
 Owner—Withheld.  
 Architect—Frank S. Holland, 1629 Folsom St., San Francisco.

Plans Being Figured.  
**RESIDENCE.** Cost, \$10,000  
**SACRAMENTO.**  
 Frame residence.  
 Owner—J. I. Lubin.  
 Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

**SAN FRANCISCO.**—Architect J. F. Dunn, Phelan Bldg., is taking figures for an automatic passenger elevator for the residence of Robert S. Atkins on the south side of Jackson Street 117-6 west of Maple.

**SALINAS.** Monterey Co., Cal.—Bids will be received by the County Supervisors, T. P. Joy, County Clerk, up to October 7th 2 P. M., for building and improving the residence of the Superintendent of the County Hospital.

**FRESNO.** Fresno Co., Cal.—The Fresno County Chamber of Commerce is planning the formation of a building corporation to erect apartment houses and dwellings in this city to relieve the present housing shortage.

Plans Being Prepared.  
**RESIDENCE, ETC.** Cost, \$—  
**SAN BERNARDINO.** San Bernardino Co., Cal.  
 Two-story and basement brick parochial residence (13 rooms and 3 bathrooms).  
 Owner—Rev. Nicholas Conneally.  
 Architect—Alfred C. Martin, 430 Higgins Bldg., Los Angeles.

Plans Being Prepared.  
**RESIDENCE** Cost, \$20,000  
**LOS ANGELES.** Holly Drive near Sunset Blvd.  
 Two-story and basement frame and plaster residence (12 rooms and 3 bathrooms).  
 Owner—Otto Baldwin.  
 Architect—John J. Frauenfelder, 1116 Story Bldg., Los Angeles.

### SCHOOLS

**ADDITION.** Cost, \$8,000  
**NICOLAUS.** Sutter Co., Calif.  
 One-story frame (2 room) addition to school.  
 Owner—Nicolaus School District.  
 Architect—Geo. C. Sellon & Co., 1005 8th St., Sacramento, Calif.

Plans Being Prepared.  
**SCHOOL.** Cost, \$60,000  
**LOVELOCK.** Nevada.  
 One-story and basement brick school 8 rooms and auditorium (375 seats.)  
 Owner—Lovecock School District.  
 Architect—Geo. C. Sellon & Co., 1005 8th St., Sacramento, Calif.  
 Plans will be ready for figures about November 1st.  
 Pressed brick exterior, hot air system, exhaust system.

Contract Awarded.  
**GYMNAST JM** Cost, \$17,800  
**CONCORD.** Contra Costa Co., Cal.  
 One-story frame and plaster gymnasium.  
 Owner—Mt. Diablo Union High School District.  
 Architects—Wright & Sala, Bank of Italy Bldg., Stockton.  
 Contractor—L. V. Perry, Concord.  
 Heating awarded to Thos. Kennedy of Martinez on his bid of \$690.

Plans Being Prepared.  
**SCHOOL** Cost, \$46,000  
**CORNING.** Tehama Co., Cal.  
 One-story reinforced concrete Class "C" school 8 rooms and auditorium  
 Owner—Corning School District.  
 Architect—Geo. C. Sellon & Co., 2005 8th St., Sacramento.

(Correction in Cost).  
 Plans Being Figured. Bids Close Oct. 7, 1919.  
**SCHOOL** Cost, \$13,000  
**CORDUA.** Yuba Co., Cal. Cordua near Marysville.  
 One-story brick school (2 rooms).  
 Owner—Cordua School District.  
 Architect—Chester Cole, Waterlund-Breslauer Bldg., Chico, Cal.

Plans Being Prepared.  
**FRAME SCHOOL** Cost, \$—  
**VISITACION.** San Mateo Co., Cal.  
 One-story frame school.  
 Owner—Visitacion School District.  
 Architect—E. L. Norberg, 742 Market St., San Francisco.  
 NOTE:—Bonds to the amount of \$24,000 have been voted for property and building.

Preliminary Plans Being Prepared.  
 Bonds to Be Voted About October 15th.  
**HIGH SCHOOL.** Cost, \$450,000  
**CHICO.** Butte Co., Calif.  
 Two-story reinforced concrete High School (35 rooms.)  
 Owner—Chico School District.  
 Architect—Woollett & Lamb, Physicians' Bldg., Sacramento, Calif.

Opening of Bids Postponed. Bids will be Opened in About 30 Days.  
**SCHOOL** Cost, \$20,000  
**POTTER VALLEY.** Mendocino Co., Cal.  
 Potter Valley near Ukiah.  
 One-story reinforced concrete school. (5 rooms and auditorium).  
 Owner—Potter Valley School District.  
 Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

A deposit of \$10 will be required for plans taken away from Architect's office.

Plans Being Completed.  
**SCHOOL** Cost, \$20,000  
**HOPLAND.** Mendocino Co., Cal.  
 One-story concrete school building.

Owner—Hopland School District.  
 Architect—Norman R. Coulter, 46  
 Kearny St., San Francisco.

Figures to be Taken This Week.  
**ADDITION** Cost, \$5,000  
**RIVERBANK**, Yolo Co., Cal.  
 One-story addition of one room for  
 school and water supply system.  
 Owner—Riverbank School District.  
 Architects—Geo. C. Sellen & Co., 1005  
 8th St., Sacramento.

Ready for Figures October 1st.  
**SCHOOL** Cost, \$50,000  
**DAVIS**, Yolo Co., Cal.  
 One-story hollow tile school (8 rooms  
 and auditorium).  
 Owner—Davis School District.  
 Architects—Geo. C. Sellen & Co., 1005  
 8th St., Sacramento.

**LOVELOCK**, Nevada.—Bonds on \$60,-  
 000 have been voted to finance con-  
 struction of a new grammar school  
 building.

**FOWLER**, Fresno Co., Cal.—Bonds of  
 \$150,000 have been voted in the  
 Fowler high school district with which  
 to secure funds to finance construc-  
 tion of a new high school building.  
 Allison & Allison, Hibernian Bldg.,  
 Los Angeles, are the architects.

Plans Being Figured. Bids Close Oct.  
 21, 1919.

**SCHOOL** Cost, \$—  
**BERKELEY**, Alameda Co., Cal. Thous-  
 and Oaks.  
 One-story hollow tile school building.  
 Owner—City of Berkeley.  
 Architect—W. C. Hays, 1st National  
 Bank Bldg., San Francisco.  
 Bids will be taken as follows:

1. Excavating and grading.
2. Concrete and cement work.
3. Masonry.
4. Carpentry, glass and glazing,  
 hardware, blackboards, structural &  
 ornamental iron work.
5. Lathing and plastering.
6. Painting.
7. Plumbing.
8. Roofing and sheet metal work.
9. Electrical work.
10. Heating and ventilating.
11. Shades and linoleum.

Plans may be obtained from the  
 Board of Education, 2133 Allston Way,  
 Berkeley, on a deposit of \$10.

Plans Being Prepared.  
**SCHOOL** Cost, \$40,000  
**SAN ANSELMO**, Marin Co., Cal.  
 One-story and basement brick elemen-  
 tary school (10 rooms and an audi-  
 torium).  
 Owner—San Anselmo School District.  
 Architect—J. W. Dolliver, Royal In-  
 surance Bldg., San Francisco.  
 Bonds have been voted.

**CHICO**, Butte Co., Cal.—L. Van  
 Vlack of Chico was awarded the con-  
 tract for the repair and plumbing  
 work on the four grammar schools by  
 the Board of Education at its last  
 meeting at \$12,835. This is the third  
 time the contract has been let, the  
 other two contracts being declared in-  
 valid owing to legal technicalities  
 which had not been observed by the  
 board.

Chester Cole of Chico is the archi-  
 tect.

**STRAITHMORE**, Tulare Co., Cal.—  
 The Board of School Trustees has de-

cided to call an election to vote bonds  
 of \$85,000 with which to finance con-  
 struction of a new high school build-  
 ing and purchasing equipment for  
 same.

Lee Gill is Secretary and W. L. Mc-  
 Dowell Vice President of the School  
 Board.

## STORES AND OFFICES

Contract Awarded.  
**ADDITION** Cost, \$—  
**MARYSVILLE**, Yuba Co., Cal. E St.  
 Addition for display room in building.  
 Owner—Foresters Hall Ass'n.  
 Lessee—Yuba Manufacturing Co.,  
 Marysville, Cal.  
 Architect—None.  
 Contractor—L. E. Hite, 515-A "D" St.,  
 Marysville, Cal.

Segregated Figures Being Taken.  
**AUTO SALES BLDG.** Cost, \$140,000  
**SAN FRANCISCO**. NE Post and Hyde  
 Three-story reinforced concrete auto  
 sales building, 77-6x137-6.  
 Owner—Gerard Invest. Co.  
 Architects—Rousseau & Rousseau, 110  
 Sutter St., San Francisco.

Contractors Taking Sub-Figures.  
**AUTO SALES ROOM** Cost, \$30,000  
**SAN FRANCISCO**. N Post 54 W  
 Franklin Street.  
 One-story Class "B" auto salesroom  
 building, 83-6x137-6.  
 Owner—A. M. Bienfield.  
 Architect—Sylvain Schnaittacher, 233  
 Post St., San Francisco.  
 Contractor—Barrett & Hilp, Sharon  
 Bldg., San Francisco.  
 Figures are wanted for sheet metal  
 work, steel sash, metal moulding and  
 mill work.

Plans Being Figured.  
**ALTERATIONS** Cost, \$1500  
**SACRAMENTO**, Calif. "K" Street.  
 Alterations for store (Kawneer  
 fronts).  
 Owner—Haas Shoe Co.  
 Architect—F. A. Foale, Ochsner Bldg.,  
 Sacramento, Calif.

Contract Awarded.  
**GARAGE** Cost, \$—  
**PORTLAND**, Ore. Fifteenth and  
 Couch Streets.  
 Two-story reinforced concrete garage  
 and auto salesrooms, 100x100.  
 Owner—W. H. Wallingford.  
 Architect—Emil Schacht, Common-  
 wealth Bldg., Portland, Ore.  
 Contractor—Stebbing Bros., Build-  
 ers' Exchange, Portland, Ore.

Plans Ready for Figures Shortly.  
**AUTO SALESROOMS** Cost, \$35,000  
**SANTA MARIA**, Santa Barbara Co.  
 One-story and mezzanine floor frame  
 and terra cotta auto salesrooms  
 and four stores, also one-story  
 service station and one-story  
 storage room.  
 Owner—E. D. Rubel, Santa Maria.  
 Architect—Fay R. Spangler, Jones  
 Bldg., Santa Maria.  
 Concrete foundation, terra cotta  
 exterior finish; roof, T. & G.; heating  
 system, low pressure steam; gas burn-  
 ing furnace.

Plans Being Prepared.  
**STORE & OFFICE BLDG.** Cost, \$42,000  
**TUOLUMNE**, Stanislaus Co., Cal.  
 Two-story Class "C" store and office  
 building, 100x117 (6 stores).

Owner—Chas. H. Geer, President of  
 the Central California Milk Pro-  
 ducers' Association.  
 Architect—W. H. Weeks, 75 Post St.,  
 San Francisco.

Contract Awarded.  
**ALTERATIONS** Cost, \$—  
**CHICO**, Butte Co., Cal.  
 Alterations for store front.  
 Owner—Mrs. Lillian D. Graves.  
 Architects—Woollett & Lamb, Phy-  
 sicians' Bldg., Sacramento.  
 Contractor—Geo. D. Hudnutt, Inc., Cal.  
 Fruit Bldg., Sacramento.

**SACRAMENTO**, Cal.—The Wein-  
 stock, Lubin & Co., of Sacramento,  
 are preparing for the construction of  
 a new department store building at  
 11th and "J" streets, Sacramento.

The work has been placed in the  
 hands of Frederick Whitton, Con-  
 struction Manager, 269 Pine Street,  
 San Francisco. Preliminary investi-  
 gations are now being made. The time  
 at which construction will be begun  
 and the exact size of the building has  
 not been determined.

Contracts Awarded.  
**MARKET BLDG.** Cost, \$9,000  
**SAN FRANCISCO**. SE Courtland Ave.  
 58 S. Moultrie St.  
 One-story reinforced concrete and  
 frame market building.  
 Owner—John Battaglia.  
 Architect—C. O. Clausen, Hearst Bldg.,  
 San Francisco.  
**Concrete work** to Carl Frank.  
**Carpenter work** to S. Costello.

**AUTO TIRE SALES BLDG.**  
 Cost, \$—  
**SAN FRANCISCO**. SE Post Street  
 and Meacham Place.  
 Two-story reinforced concrete auto  
 tire sales building (exterior ce-  
 ment imitation Caen stone).  
 Owner—Withheld.  
 Architect—Rousseau & Rousseau, 110  
 Sutter St., San Francisco.

Plans Being Figured.  
**STORE BLDG.** Cost, \$10,000  
**SAN FRANCISCO**. N line Post Street  
 bet. Hyde and Leavenworth Sts.  
 One-story brick store building, 40x60,  
 (3 stores).  
 Owner—Withheld.  
 Architect—M. I. Schwartz, Nevada Na-  
 tional Bank Bldg., San Francisco.

## THEATRES

Plans Being Prepared.  
**ALTERATIONS** Cost, \$50,000  
**SACRAMENTO**. 1203 "J" Street.  
 Alterations to theatre building.  
 Owner—Strand Theatre Co.  
 Architect—E. C. Hemmings, 1203 "J"  
 St., Sacramento.

Plans Being Prepared.  
**THEATRE** Cost, \$—  
**LOS ANGELES**, Hollywood Blvd. near  
 Wilton Place.  
 Class "A" reinforced concrete moving  
 picture theatre building, 50x125  
 (1200 seats).  
 Owner—J. M. Young.  
 Designer and Contractor—C. S. Wright  
 (Hollywood Constr. Co.), 6040  
 Hollywood Blvd., Los Angeles.

## ENGINEERING

## BRIDGES, DAMS &amp; HARBOR WORK

NAPA. Napa Co., Cal.—The County Supervisors, James A. Daly, County Clerk, has awarded a contract to Harry Thorsen, St. Helena, for the construction of a reinforced concrete culvert across Nigger Creek of the following dimensions:

2 feet 6 inches high, by 5 feet wide and 20 feet in length in the clear inside measurements. The bid was \$449.

Thorsen was also awarded the contract for the construction of a reinforced concrete two arch bridge across Chiles Creek on the road leading to Conn Valley, at \$2,649.

MARYSVILLE, Yuba Co., Cal.—County Engineer L. B. Cook will present plans at the next meeting of the Supervisors for the construction of a new joint bridge between Yuba and Butte Counties across Honcut Creek, 3 miles from Bangor, the present structure having been condemned as unsafe.

Plans for the new structure provide for a concrete arch 56 feet in length.

MADERA, Madera Co., Cal.—The City Trustees are considering the erection of bridges at Vineyard avenue and Clinton streets.

STOCKTON, San Joaquin Co., Cal.—The Supervisors have instructed the Purchasing Agent to purchase sufficient paint for painting the 29 county bridges.

SACRAMENTO, Cal.—The Cotton-Macaulay Co., 16 California St., San Francisco, submitted the lowest bid at \$46,528.17 to the State Reclamation Board and were awarded the contract for the construction of reinforced concrete revetment upon portions of the levees of the Sacramento By-pass together with toe walls and toe aprons, located at the Easterly end of the Sacramento By-pass, near the west bank of the Sacramento River in Yolo County, about 5 miles up-stream from the City of Sacramento.

Other bidders were: Ross Constr. Co., Sacramento, \$49,195.33; L. S. Atkinson, Los Angeles, \$53,666.35.

EUREKA, Humboldt Co., Cal.—Bids will be received by County Clerk Fred M. Kay up to September 27th, 10 A. M., for making a fill at each end of the new bridge across Salt River at Port Kenyon, in Road District No. 1.

EUREKA, Humboldt Co., Cal.—Bids will be received by Fred M. Kay, County Clerk, up to September 27th, 10 A. M., for the construction of a steel bridge across the Mattole river near Thorn, in Road District No. 2.

PORTERVILLE, Tulare Co., Cal.—Engineers Geo. Sturgeon, Newhall Bldg., San Francisco, and C. H. Holley, of Visalia, have been retained to prepare plans for the proposed reservoir system to be constructed by the South Tule Independent Ditch Co. The project will cost about \$75,000. Water will be impounded by a series of dams in the foothills.

Plans Completed.  
BULKHEAD  
SAN FRANCISCO. San Francisco  
Waterfront.  
Reinforced concrete bulkhead wharf for Pier No. 5 and reinforced concrete wharf for Pier No. 19.  
Owner—State Harbor Board.  
Engineer—Frank G. White, Ferry Bldg., San Francisco.

TABLE OIL PLANT EQUIPMENT.  
San Francisco.—Engineer Frank G. White of the State Harbor Board is preparing details for equipment of the Vegetable oil plant at Islais Creek.

MADERA, Madera Co., Cal.—Bids will be received by W. R. Curtin, County Clerk, up to October 8th, 10 A. M., for the repair of a portion of the Herndon bridge; being located on the route of the State Highway, and across the San Joaquin River near Herndon, Fresno County.

SEATTLE, Wash.—The City Council has granted permission to the Frank Waterhouse Company for the construction of their proposed \$2,000,000 ocean terminal on the site purchased by them in 1917, on the west side of the entrance to the West Waterway, for the construction of a 120x150-foot dock and the filling of Railroad avenue, between 26th avenue S. W. and the Waterway.

The plans submitted by Frank Waterhouse & Co. disclose the fact that the new project will be one of the largest of its kind on the coast when completed. Large loading piers capable of serving the largest trans-Pacific steamers will face the Waterway. On these will be constructed a transit shed of heavy mill construction, 900 feet long by 150 feet wide. Behind this will be located a two-story reinforced concrete, fireproof warehouse, 150x900 feet in dimension, fully equipped with the latest in freight handling conveyors. Six sets of tracks will serve both buildings.

Complete working drawings are now being completed in the offices of the Waterhouse Company at Seattle.

## IRRIGATION WORK

BAKERSFIELD, Kern Co., Cal.—Preliminary plans for the proposed Kern County Irrigation District have been completed by A. Lincoln Fellows, Engineer of the U. S. Reclamation Service and plans for the district which will irrigate about 400,000 acres available for the following:

(1) Acquire by purchase at fair prices all existing water rights used in the distribution of waters from Kern river.

(2) Lowering ground water plans by pumping and drainage ditches in all water-logged land, using the water thus reclaimed for irrigation.

(3) Establishment of sufficient storage in the mountains for approximately 1,500,000 acre-feet of water thus stored for development of power, to be distributed to the farmers within the district at cost.

(4) Construction of high-line canals from the river at the mouth of Kern canyon.

(5) Retention and improvement of such portions of present irrigation systems as may be permanently effi-



## SAVES YOU MONEY

New and re-nerved screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

## PACIFIC PIPE CO.,

231 Howard St.

San Francisco

cient. Herman T. Miller is Chairman of the Irrigation Board.

SEATTLE, Wash.—Construction of a fourteen mile tunnel through solid granite—the largest of its kind in the world—is to be part of the engineering feats connected with the Methow-Okanogan irrigation project in Washington. This project, when completed, will furnish irrigation for approximately 45,000 acres of land. The cost of the development voted by the district embraced in the project, to be aided by the state, is estimated at \$8,000,000. Four years will be required to build the tunnel, it is said.

The Methow-Okanogan project is but part of an ambitious program of reclamation work undertaken by Washington, and made possible by the recently passed state reclamation act.

COLUSA, Colusa Co., Cal.—Work will be started on a newly formed reclamation district within two weeks by Kenyon & Whitman, Forum Bldg., Sacramento, who have secured the contract for the construction of drains, etc.

Final plans for the organization of the district will be taken up at the next meeting of the Supervisors of Colusa and Glenn Counties.

OROVILLE, Wash.—A bond issue for \$400,000 with which to finance construction of extensive improvements in the main and distribution canals of the West Okanogan valley irrigation system will be submitted to the landowners of the district at a special election soon to be called.

It is proposed to replace all temporary construction with concrete and steel work and to line the earth canals with concrete in order to increase the water supply by preventing waste from seepage and to eliminate the maintenance expense due to breaks in the canal system.

MARYSVILLE, Yuba Co., Cal.—The landowners of the Cordua Irrigation District, covering about 5,000 acres northeast of this city, have voted to organize under the State law covering irrigation districts. At the same time the following officers were elected: Directors, Warren Steel, H. D. Plantz and Al Boomer; Assessor and Tax Collector, Mrs. Warren Steel.

The election is the first step toward extending the Cleveland ditch, which has been supplying the territory a distance of five miles. Later on a bond election will be held for the purpose of providing funds for more extended improvements in the district.

The water is supplied from Yuba River by means of a dam constructed opposite DaGuerra Point. The construction of the new portion of the Cleveland ditch will begin as soon as possible.

## LIGHTING SYSTEMS

LOS GATOS, Santa Clara Co., Cal.—The City Trustees will consider at their next meeting the installation of a modern lighting system for the main streets of the town.

## MACHINERY

SAN JOSE, Santa Clara Co., Cal.—For the second time no bids were received by the County Supervisors, Henry A. Pfister, Clerk, for the purchase of two Kelly-Springfield road rollers.

NAPA, Napa Co., Cal.—The County Supervisors have awarded a contract to the Austin Western Road Machinery Co., 22 Fremont St., Napa, at \$4,400 for furnishing and delivering to the County of Napa one 12-ton Austin Motor Road Roller.

The only other bidder was the A. L. Young Machinery Co., who agreed to furnish three types of rollers at the following figures:

'Single Cylinder Buffalo Springfield, \$4,375.

'Double Cylinder Buffalo Springfield, with scarifying attachment, \$6,650.

Also to furnish a second hand Buffalo Springfield for \$2,995.

'James A. Daly is County Clerk.

'OROVILLE, Butte Co., Cal.—Bids will be received by County Clerk C. F. Belding up to October 8th, 2:15 P. M., for furnishing Butte County with two three and one-half-ton White Trucks or their equivalent, equipped with Dump Bodies and Mechanical Hoist.

STOCKTON, San Joaquin Co., Cal.—Bids received from The Spears, Wells Machinery Company; A. B. Munson & Son, and Edward M. Chadbourne of San Francisco, for furnishing and delivering a fire or six-ton road roller have been taken under advisement.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

STOCKTON, San Joaquin Co., Cal.—The City Council has ordered the construction of cement concrete sidewalks as follows:

One hundred feet of sidewalk on Rose street near Harrison; one hundred feet on Harrison street south of Rose; 101 feet on the west side of Hunter street at Clay; 202 feet west of Sacramento street on the north side of Lindsay; 101 feet on the east side of Aurora north of Anderson; 181 feet on the south side of Worth east of Stanislaus, and 101 feet on the east side of Stanislaus south of Worth.

MARYSVILLE, Yuba Co., Cal.—County Surveyor L. B. Crook has completed plans for the first unit of road improvement work to be done in District 10 under the \$60,000 appropriation of the County Supervisors. Surveys on the second unit are now being completed.

SAN MATEO, San Mateo Co., Cal.—The City Trustees have instructed the City Attorney to draw up the papers necessary for election to vote bonds of \$48,000 with which to finance construction of the following improvements:

Water system ..	\$400,000
Fire alarm system.....	24,000
Motor driven pumping fire engine .....	14,000
Preliminaries for the proposed water system were prepared by Engineers Olmsted & Gillien, Hollingsworth Bldg., Los Angeles.	

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolutions of intention providing for the improvement of Halliday avenue from 73rd avenue to Church street by grading, construction of concrete curbs and gutters and paving with an oil-macadam; also for the improvement of the east side of 26th street, between Harrison and Valdez streets by the construction of cement sidewalks, 6 feet in width where not already in place.

RICHMOND, Contra Costa Co., Cal.—The City Council, A. C. Faris, City Clerk, has passed a resolution of intention providing for the improvement of portions of Garard Boulevard and Standard Avenue by regrading and paving with a 6-inch cement concrete base and a wearing surface of asphalt and broken rock; construction of cement concrete catchbasins with cast iron frame and grate with connection of standard, salt glazed, sewer pipe, wing walls of cement concrete and redwood curbs.

HARPER, Orange Co., Cal.—The Newport Heights Association has been asked to call an election to vote on issuing \$160,000 bonds for a new water distributing system in the Harper district. Petitions are now being circulated for signatures endorsing the project. There are 1400 acres in the district.

ANTIOCH, Contra Costa Co., Cal.—Bids will be received by Town Clerk J. E. McElheney up to 8 P. M., September 29th, for boring wells in the vicinity of Antioch.

Wells shall be in number not to exceed three and shall be encased with 12" standard casing. The wells shall be bored successively at places to be designated by the Superintendent of

Streets of the Town of Antioch, and there shall be as many wells bored and to such depth as he shall direct. The maximum depth of any well shall not exceed 500 feet. The bidders shall specify the rate per foot for the first hundred feet and the rate per foot for each fifty feet thereafter for boring each well, which said sum shall include the cost of casing installed.

STOCKTON, San Joaquin Co., Cal.—October 7th, 10 A. M. is the date set by the Supervisors for opening bids for the improvement of the Wackmuth road, near the Alameda County line; the Daggett and Moreing Roads. Plans may be had from the County Clerk at Stockton.

SACRAMENTO, Cal.—The State Reclamation Board has awarded a contract to the Old Mission Portland Cement Co., Mills Bldg., San Francisco, for furnishing and delivering 5,000 barrels of cement for use in the construction of the concrete revetment along the levee of the Sacramento by-pass near Bright's bend. The bid was \$2.63 per barrel. Three other bids were received.

STOCKTON, San Joaquin Co., Cal.—Revised plans for the East Street sewer have been approved by the City Council and bids for construction will be asked within the next few days.

RED BLUFF, Tehama Co., Cal.—The Board of Education has received drawings from the Portland Cement Association and the Los Angeles authorities for a swimming pool for the Red Bluff Union High School. It is planned to construct a concrete tank 30x75 feet which will be constructed with a slope enabling the smaller children of the school to use it.

Construction, it is expected, will be started within two months.

GLENDAL, Los Angeles Co., Cal.—The City Trustees have issued a statement urging the necessity of voting \$260,000 bonds for extensions to the municipal water system and construction of a power generating plant, comprising the following: New pumping plant with two wells and pump for each and large booster pump at San Fernando road and Grand View avenue, cost \$33,500; new 30-in. trunk line from Doran street to entrance to Verdugo canyon, cost \$35,000; 7,500,000 gallon reservoir at entrance to Verdugo canyon, cost \$40,000; new 20-in. pressure main from reservoir to about the middle of Verdugo canyon, cost \$34,800; row of wells across the middle of Verdugo canyon to bed rock, with pumps to raise water to a small reservoir or settling basin, cost \$32,000; 16-in. pressure main from main pumping plant to Grand View avenue, cost \$19,000; reservoir at Grand View avenue, cost \$8,000; pumping plant at Grand View reservoir, cost \$3,000; 5 miles of new water mains and laterals, cost \$34,250; electric generating plant at Verdugo canyon reservoir, with 100 kilowatt generator driven by Pelton wheel, cost \$9,700; purchase of addition gravity water shares, \$10,000.

**VENICE, Los Angeles Co., Cal.**—A. Stutzer, Menotti Bldg., Venice, submitted the lowest bid at about \$30,000 and was awarded the contract for the improvement of Virginia avenue, involving 14,361 sq. ft. 5-in. concrete paving, 8540 lin. ft. curb, 10,488 cu. yds. fill, 4543 sq. ft. cement sidewalk and 162,000 sq. ft. oil surface; also for improvement of Strong's drive, involving 6,300 cu. yds. fill, 6540 lin. ft. curb, and 98,100 sq. ft. oil surface. W. E. Crawford, City Engineer and Street Superintendent.

**LOS GATOS, Santa Clara Co., Cal.**—The City Attorney has been instructed to secure rights-of-way on New York avenue for the proposed sewer extension in that thoroughfare. Engineer J. Church Walker has prepared plans for the extension.

**LONG BEACH, Los Angeles Co., Cal.**—The City Commission has ordered concrete paving for East Fourth St. from Molino to Termino Avenues, and sewers in the section between Loma and Termino Aves. The improvements will cost \$60,000. Fred Hoffman, city engineer.

**LIVERMORE, Alameda Co., Cal.**—The Board of Trustees has awarded a contract to the American Rubber Mfg. Company of Emeryville for furnishing 300 feet of the best grade "Cracker-jack" fire hose at 90 cents per running foot and two shut-off nozzles for 1½ inch hose to be provided with ¾ inch tip and also 2 extra ¾ inch tips and a "Y" for same.

**LIVERMORE, Alameda Co., Cal.**—The City Trustees will consider at their next meeting the purchase of a motor fire engine from the E. L. Peacock Auto Co., 3020 Broadway, Oakland, at \$6,575.18. The company agrees to furnish a service truck fire engine, capable of throwing 350 gallons of water per minute by raising the pressure from 40 to 100 pounds, together with a 35-gallon chemical tank, two ladders and various other fire apparatus.

**FLAGSTAFF, Ariz.**—The Miller Construction Co. has been awarded the contract at about \$30,000 to construct the Oak Creek cut-off in Coconino national forest, Coconino Co., Ariz., by the U. S. bureau of public roads, J. S. Bright, acting district engineer, Luna Strickler Bldg., Albuquerque, N. M. The road is 4.8 miles in length and the contract involves 1836 cu. yds. rock excavation, 17,320 cu. yds. common excavation, 17,753 M. B. M. bridge trestling in place, metal pipe culverts and rubble masonry. C. W. Miller, president of the company, is establishing a camp preparatory to starting the work.

**FRESNO, Fresno Co., Cal.**—The City Council, Chas. Dillon, City Clerk, has passed resolutions of intention providing for the improvement of College avenue between Belmont and Bremer avenues by the construction of artificial stone sidewalks where not already in place.

Improvement of California avenue from Sarah to Third street by the construction of 20, 18, 16, and 12-inch cement concrete sewer pipe and 8 and 10-inch vitrified clay sewer pipe.

**GRANGEVILLE, Idaho.**—The contract for a portion of the North and South Highway between the mouth of Whitebird Creek and New Meadows has been awarded by the State Commissioner of Public Works, W. J. Hall, to the Grant Smith & Co., of Spokane and Portland, at approximately \$625,000.

**SACRAMENTO, Cal.**—J. C. Nurse has been officially appointed Superintendent of Streets by the City Commissioners. For the past few months Nurse has been in that position under a temporary appointment.

**SACRAMENTO, Cal.**—The following bids were received by the State Highway Commission September 22nd for highway improvement in three counties:

Los Angeles County, between two miles north of Acton and Palmdale (VII-LA.-23-E), about 8.6 miles in length to be paved with Portland cement concrete.

Fred Hoffman, Los Angeles, \$181,445.  
Geo. S. Benson & Son, Los Angeles, \$186,005.

C. H. Soteras, Los Angeles, \$209,842.

Ventura County, between the South-erly Boundary and Conejo Grade (VII-VEN.-2-A & B), about 5.2 miles in length, to be paved with Portland cement concrete.

C. H. Soteras, Los Angeles, \$98,825.  
G. R. Curtis, Los Angeles, \$10,300.  
Rogers Bros., Los Angeles, \$109,500.  
C. H. Soteras, Los Angeles, \$117,400.

Ventura County, between Russell Ranch and the former easterly boundary (VII-LA.-2-C), about 1.3 miles in length, to be paved with Portland cement concrete.

Geo. R. Curtis, Los Angeles, \$25,600.  
Rogers Bros., Los Angeles, \$28,800.  
C. H. Soteras, Los Angeles, \$35,200.  
H. Hudson, Los Angeles, \$35,312.  
Engineer's Estimate, \$29,120.

San Joaquin County, between Houston School and Northerly Boundary (III-S.J.-4-D), about 4.7 miles in length to be paved with Portland cement concrete.

W. A. Dontanville, Salinas, \$56,880.50.  
Lyn S. Atkinson, Sacramento, \$57,816.25.

P. C. McIntyre, Stockton, \$58,046.50.  
W. J. Schmidt, Berkeley, \$67,608.50.  
Engineer's Estimate, \$68,826.92.

**REDWOOD CITY, San Mateo Co., Cal.**—The City Engineer has completed plans for the improvement of Webster street from Main to Washington and bids will be called in the near future. W. A. Price is City Clerk.

**TULARE, Tulare Co., Cal.**—The City Trustees have passed a resolution providing for the paving of streets costing in the neighborhood of \$20,000. The work will cover the paving of a mile strip near the north city limits and the paving of a portion of Inyo street which will connect with the Corcoran highway.

**OROVILLE, Butte Co., Cal.**—Plans for a concrete bridge on Lone Pine avenue over Edgar slough have been completed by County Engineer M. C. Polk.

**SALINAS, Monterey Co., Cal.**—Bids will be received by T. P. Joy, County Clerk, up to October 7th, 2 P. M., for constructing a portion of the King City-Lomaok Road, along the San Lorenzo Creek in San Benito County.

Separate bids will also be received for grading and macadamizing a portion of the Salinas-Natividad Road, in Alisal and Pajaro Road Districts.

**SOUTH SAN FRANCISCO, San Mateo Co., Cal.**—The City Trustees, Wm. J. Smith, City Clerk, has passed a resolution of intention providing for the improvement of portions of the alley between Baden and Grand avenues, which is included between the W line of Maple avenue and the E line of Spruce avenue, by grading and constructing a cement concrete pavement 5 inches thick.

**OROVILLE, Butte Co., Cal.**—Up to October 8th, C. F. Belding, County Clerk, will receive bids for the improvement of six and one-half miles of road-bed on the Oroville-Quincy road.

The road will be laid with crushed rock and gravel on the same lines as was the Hurlston road.

**OLYMPIA, Wash.**—The State Highway Commission has awarded the following state highway contracts:

Pacific Highway, Seattle to Lake Forest Park, to J. L. Smith of Seattle at \$121,291.

Olympic Highway from Forks south, to R. O. Wahlgren of Forks at \$29,932.

Inland Empire Highway, Ellensburg south, to Rajotte, Hobart & Winters, Spokane, at \$198,533.

National Park Highway from La-Grande to Adler, to Sweeney & Gallucci of Tacoma at \$147,207.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has adopted a resolution of intention providing for the improvement of portions of Frederick street from Kennedy street westerly by grading and laying a concrete pavement 6-inches thick.

**BERKELEY, Alameda Co., Cal.**—The City Council, A. G. Briggs, City Clerk, has passed a resolution of intention providing for the improvement of Virginia street from the east line of Third street to the east line of Second street by grading and laying an asphalt macadam pavement.

**WHITTIER, Los Angeles Co., Cal.**—The \$361,000 bond issue to provide for development of additional water supply, extending the distributing system and providing for additional storage for the municipal water system carried at the election on September 18, J. B. Lippincott, Central Bldg., Los Angeles, is the engineer.

**DINUBA, Tulare Co., Cal.**—A resolution of intention for street work estimated to cost about \$130,000, has been adopted by the City Council. Chas. E. Sloan of San Francisco, has been appointed city engineer.

**BAKERSFIELD, Kern Co., Cal.**—Federal Construction Co., Call Bldg., San Francisco, was awarded the contract at \$51,965.59 for paving Twenty-first, Twenty-second, Twenty-third,

Twenty-fourth and H streets in District No. 46 with 3-in. asphaltic base and 1½-in. bitulithic surface. Bids voted in issue of September 19.

**BAKERSFIELD, Kern Co., Cal.**—Lloyd S. Stroud, 2225 13th St., Bakersfield, was awarded the contract for constructing a sewer in alleys adjoining Tulare street, involving 2267 feet 6-in. vitrified pipe at \$1.50 ft.; 2 concrete manholes at \$85 each and 4 lampholes at \$10 each.

**DIXON, Solano Co., Cal.**—Preliminary steps were taken by the City Trustees for the paving program, planned in the immediate future when a resolution changing the grades of streets was passed. About twenty blocks of paving is planned. Bids will be called for within the next few weeks.

**SALINAS, Monterey Co., Cal.**—The Granite Rock Co., Salinas, has been awarded a contract by the County Supervisors for the construction of a road from the city limits of Salinas to Kelleher's corner.

The bid was: Item 1. 300 tons of waste rock in base at \$2.24 per ton.

Item 2: 275 tons two inch rock in asphalt macadam at \$2.75 per ton.

Item 2: 100 tons ¾ inch granite screenings in asphalt macadam at \$3.50 per ton.

Item 4: 19,040 square feet of asphalt macadam at 3¼ cents per square foot.

**MAXWELL, Colusa Co., Cal.**—D. C. Howard, 311 California National Bank Bldg., Sacramento, has started on his paving contract recently awarded by the Town Trustees. The main street of the town will be paved extending from the highway west one half mile.

**TRACY, San Joaquin Co., Cal.**—The City Trustees have sold the \$30,000 worth of street bonds which will finance the paving of several streets. Bids for the work are now being taken.

**SACRAMENTO, Cal.**—County Engineer Drury Butler has been instructed to prepare plans and specifications for the proposed Sheldon-Sloughhouse highway.

**SAN FRANCISCO.**—The Board of Public Works has awarded a contract to the Ralsch Improvement Company, 46 Kearny street, for grading; sewerage and paving Hale street between San Bruno avenue and Merrill streets at \$13,226 49 and to C. B. Eaton, 407 11th St., for the paving of Forty-first avenue between Lincoln Way and Irving street at \$1,329.

**FRESNO, Fresno Co., Cal.**—Bids will be received by City Clerk Chas. Dillon up to October 5th, 5 P. M., for the improvement of the alley in Block 177 by grading; construction of 2x6 redwood curbs and paved with a 4-inch cement concrete base with a bitulithic wearing surface 1½ inches thick.

Improvement of Van Ness avenue from Olive avenue to University avenue by grading construction of cement concrete gutters, and corrugated

iron culverts and laying a 5-inch crushed rock base with a 2-inch bitulithic wearing surface.

Improvement of portions of Plumas street by the construction of 6-inch lateral sewers.

**OAKLAND, Cal.**—Bids will be received by Henry F. Vogt, Secretary of the Board of Park Directors, up to October 7th, 2 P. M., Room 407, City Hall, for the construction of approximately 14,000 square feet of oiled walks in Peralta Park.

**MARTINEZ, Contra Costa Co., Cal.**—The City Trustees, E. A. Major, City Clerk, pro tem, have passed resolution of intention (No. 111-B) providing for the improvement of portions of High, Talbart, Main, Escobar, Howard, Castro, Smith and Berrellesa streets and certain intersections thereof and the intersection of Foster, Talbart and High streets, by grading, curbing, paving, sewerage, draining, etc., and the construction of culverts.

**LOS ANGELES, Cal.**—The City Council has released George H. Oswald from his contract, made before the war, for the improvement of West First street. The work was held up by the capital issues committee and was never started and council did not consider it fair to compel him to carry out the contract under present conditions. It is probable new proceedings for the improvement will be instituted.

**SAN DIEGO, Cal.**—The county highway commission has submitted a report to the supervisors of San Diego County, recommending the construction of 134.13 miles of paved roads estimated to cost \$2,300,000, to be provided by a bond issue. The commission recommends concrete paving. The roads to be improved are: From end of Camp Kearny paved road via Escondido, San Marcos, Vista, Bonsall and Fallbrook to Riverside county line, 53.4 miles; Oceanside through San Luis Rey valley to Vista-Fallbrook road, 8.8 miles; El Cajon via Santee, Lakeside, Ramona and Santa Ysabel to Julian, 44.3 miles; San Diego via Lemon Grove and Spring Valley to La Mesa, 6 miles; National City via Highland Ave. to San Diego, 1.58 miles; Coronado to Imperial Beach via Ream field to Norcor, and via Palm City to Chula Vista, 13.1 miles; Chula Vista via Sweetwater valley to Bonita, 2 miles; Spring Valley Junction, south of La Mesa, towards Jamacha, 2 miles; Bernardino-Escondido junction east in San Pasqual valley, 2 miles. The members of the commission are Col. Ed Fletcher, chairman; F. M. White and Sherwood Wheaton.

**SACRAMENTO, Cal.**—George J. Calder has been appointed Construction Engineer for the Sacramento River Filtration Plant of the City of Sacramento.

Calder is well known in building circles of Sacramento. He was Supervisor of Construction at the Washington School and has handled several other large jobs here.

This is the third appointment Brown has made for the filtration plant. Major Charles G. Hyde will be Chief

Consulting Engineer, and George N. Handle, his assistant.

**SACRAMENTO, Cal.**—The County Highway Commission has rejected bids received for the improvement of one mile of the Jackson Road, just beyond Perkins and the work has been ordered done under the supervision of the County Surveyor.

**SALINAS, Monterey Co., Cal.**—No bids were received by the County Supervisors for the following road improvements and the work was ordered done under the day labor system:

Jamesburg-Arroyo Seco road in the Tulareitos district, the Nashua-Blanco road, and Alta street in Gonzales.

T. P. Joy is County Clerk.

**OAKLAND, Cal.**—Bids will be received by L. W. Cummins, City Clerk, up to 12 M., October 2nd, for the improvement of Octavia street from the southwest line of Penniman avenue to the northeast line of Allendale avenue by grading; constructing concrete gutters, redwood curbing and paving with an oil macadam pavement and the construction of cement concrete sidewalks.

**MARTINEZ, Contra Costa Co., Cal.**—J. H. Wells, County Clerk, will receive bids up to October 6th, 11 A. M., for the furnishing of materials and labor and construction of a road with macadam base on Willis Avenue adjoining the Town of Antioch, lying between the south incorporated limits of the Town of Antioch and Southern Pacific Depot, a distance of 4.126 lineal feet.

**GRASS VALLEY, Nevada Co., Cal.**—The City Trustees have awarded a contract to the Grass Valley Lumber Co., Grass Valley, at \$1,500 for furnishing and delivering cement to be used in the improvement of East Main street.

**CLIFTON, Ariz.**—Until 8 P. M., Oct. 29, bids will be received by E. R. Shortridge, town clerk of Clifton, for constructing a sewer system comprising about seven miles of 6 to 15-in. pipe, two siphons and an Imhoff treatment tank. Plans and specifications may be purchased for \$2.50, postage included, from Olmsted & Gillette, Consulting Engineers, Hollingsworth Bldg., Los Angeles, or from A. J. Kerr, Town Engineer, Clifton. The contract will involve the following bids being taken on both vitrified clay and cement pipe: 15,950 ft. 6-in. 11,200 ft. 8-in., 3150 ft. 10-in., 4785 ft. 12-in. and 2025 ft. 15-in. vitrified cement pipe; 360 6-in. Y's on 6-in., 324 6-in. Y's on 8-in., 90 6-in. Y's on 10-in., and 26 6-in. Y's on 12-in. pipe; 500 ft. 6-in. Class A cast iron pipe; 40 anchor ties; 14,365 lin. ft. trenching 4 ft. or under in depth; 15,605 ft. trenching 4 to 6 ft.; 4325 ft. trenching 6 to 8 ft.; 850 ft. trenching 8 to 10 ft.; 275 ft. trenching 10 to 12 ft.; 760 ft. trenching 12 to 14 ft.; 850 ft. trenching 14 to 16 ft.; 100 ft. trenching 16 to 18 ft.; and 100 ft. trenching 18 to 20 ft.; 133 manholes 5 ft. deep and 32 averaging 8 ft. deep; one 10-in. Class B cast iron pipe siphon 380 ft. long, crossing San Francisco river; one 8-in. Class B cast iron siphon 45 ft. long crossing Chase creek. There will be an Imhoff tank, 20x25 ft., reinforced concrete construction, from which the treated

sewage will be discharged into the river. Bonds to the amount of \$150,000 have been voted for the work.

**BERKELEY, Alameda Co., Cal.**—The City Council has awarded a contract to Bates & Borland, Oakland Bank of Savings Bldg., Oakland, for the improvements of portions of Fourth street by grading, construction of redwood curbs and concrete gutters and macadamizing between gutters with asphalt surfaced macadam. A. G. Briggs is City Clerk.

**OAKLAND, Alameda Co., Cal.**—City Commissioner of Streets W. J. Bacus has submitted a plan to the City Council for relieving the congestion of traffic in Twelfth street between Fallon street and First avenue. Under the plan offered it is proposed to extend Lakeshore boulevard from Twelfth street to Tenth street and the extension of Tenth street from Fallon street to Second avenue. The work is estimated to cost \$20,000.

**RICHMOND, Contra Costa Co., Cal.**—The City Council has awarded a contract to G. W. Cushing, 2005 Roosevelt Ave., Richmond, for the improvement of 47th street between the south line of Cutting Boulevard and the north line of Potrero avenue by grading, and paving with a 5-inch cement concrete base with a wearing surface of asphalt and broken rocks; construction of curbs, sidewalks, gutters and open drains of cement concrete; culverts of corrugated iron and cement concrete or steel and replacing of manholes. A. C. Faris is City Clerk.

**SACRAMENTO, Cal.**—Following bids were received by the City Commission for the improvement of "U" street from 31st to 24th:

A. Teichert & Son, Ochsenr Bldg., Sacramento, approximately, \$11,000.

McGillivray Constr. Co., approximately, \$12,000.

Clark & Henery Constr. Co., approximately, \$15,000.

**MADERA, Madera Co., Cal.**—City Clerk Lillian W. Rhodes will receive bids up to October 6th for the purchase of street improvement bonds in the sum of \$6,536.70. Proceeds of the sale will finance street improvements.

**SANTA CRUZ, Santa Cruz Co., Cal.**—The City Council has taken the bid of Blanchard, Crocker & Howell, 58 Second St., San Francisco, at \$47,267.57 for the improvement of Seabright avenue.

The Western Pipe & Steel Co., 444 Market street, San Francisco, submitted the low bid for the corrugated iron culverts for the above work at \$1,043.28.

**EL CENTRO, Imperial Co., Cal.**—The county highway commission has issued a statement informing the voters of Imperial county that the \$1,500,000 bond issue recently voted, will not cover the cost of constructing the proposed paved highways. Investigation has revealed that the roads cannot be built at less than a cost of approximately \$20,000 per mile and the commission states that it does not desire to proceed with the work unless assured the people will

vote additional bonds. A final survey is being made and the commission is practically ready to begin letting contracts. The commission consists of F. S. Lack, chairman; L. J. Thomas and Case Abbott.

**SEATTLE, Wash.**—The Board of Public Works has awarded a contract to Fiorito Bros., Seattle, at \$79,017 for the laying of an 8-inch concrete surface on Westlake avenue north along the shores of Lake Union from Valley street to the canal.

**SEATTLE, Wash.**—City Engineer C. H. Dimock has completed plans for the paving of Westlake Avenue, North, which he estimates to cost as follows: 7-inch concrete surfacing, \$75,347, and for an 8-inch concrete paving, \$80,822.

Plans have also been completed for the 63rd avenue S. W. trunk sewer which Dimock estimates to cost as follows:

Brick and clay pipe sewer, \$166,859.  
Brick and concrete sewer, \$164,487.  
36-inch brick, 42-inch concrete and clay pipe, \$165,552.

36-inch brick, 42-inch concrete and concrete pipe, \$163,180.

Remoulded concrete and clay pipe, \$159,744.

Remoulded concrete and concrete pipe, \$157,372.

Segmental block and clay pipe sewer, \$159,744.

Segmental block and concrete pipe sewer, \$157,372.

**PRESOTT, Ariz.**—Southwestern Construction Co., submitted a bid of \$76,944.44 for paving Mt. Vernon St. West Construction Co. of Tucson, submitted a bid of \$79,160.71. The bids were taken under advisement.

**SOMERTON, Ariz.**—The city council has started proceedings for a bond election to vote on issuing \$50,000 bonds to construct a municipal water system. Olmsted & Gillette, Hollingsworth Bldg., Los Angeles, are the engineers.

**GLOBE, Ariz.**—An election to vote on issuing \$250,000 bonds to remodel the present city pumping plant and relay the city water mains with cast iron pipe is contemplated. Johnson & Benham, Firestone Bldg., Kansas City, Mo., are the engineers.

**LOS ANGELES, Cal.**—The Southern Counties Gas Co. has applied to the State Railroad Commission for authority to issue \$631,500 bonds. The company proposes to expend \$540,000 on improvements, including the following: Extensions to compressor and boiler house, Santa Barbara, \$4000; two million cubic feet storage holder, Long Beach, \$200,000; pipe line, Oak Ridge to Santa Paula, \$16,200; pipe line, Santa Paula-Fillmore, \$48,000; pipe line to connect Brea-Pomona line with Southern California Gas Co., east of Chino, \$53,100; 1600 meters, \$19,500.

**SAN FRANCISCO.**—City Engineer M. M. O'Shaughnessy has completed plans and specifications for the construction of a reinforced concrete sewer in the Presidio Reservation from Locust street northward and the Board of Public Works has requested the Supervisors to authorize construction. The estimate cost is \$13,000.

**PHOENIX, Ariz.**—The \$1,300,000 bond issue voted to construct a gravity water system for the city of Phoenix was sold to Powell, Gerard & Co., of Chicago, and Sweet, Cansey, Foster & Co. of Denver, bidding jointly, at par with a discount of \$20,000 to the purchasers for expenses. The sale carries with it an optional serial redemption agreement, permitting 1-30 of the principal to be paid annually.

**HUNTINGTON BEACH, Orange Co., Cal.**—Bonds to the amount of \$40,000 have been voted to construct a new gas distributing system for the city. Olmsted & Gillette, and J. M. Berkley, associated engineers, Hollingsworth Bldg., Los Angeles, are in charge of the work.

**FRESNO, Fresno Co., Cal.**—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to October 17th, 2 P. M., for the construction of the following stretches of the county highway system planned under the recent bond issue:

**NOTE:**—Estimate quantities and copies of official proposals for these projects may be seen at the office of the L. A. Larsen Construction Reports, 560 Mission Street, 4 Floor, San Francisco.

For improving county highway Route Nos. 1, 5, 6, 9, 10, 11 and 19 Section "A."

For improving county highway Route No. 15, Section "B" and part of Section "A."

And for the improvement of Jensen avenue at crossing of railroad tracks.

Plans may be seen at the office of the County Surveyor, Cory Bldg., Fresno, Calif.

## RAILROADS

**DALHART, Texas.**—Construction of a railroad from Dalhart and Lubbock, a distance of about 200 miles, is planned by the Panhandle Short Line Railway, just incorporated with general offices here. The route of the proposed line is through the extreme western part of the upper Panhandle region of the state. It will open up to development a territory that is now 30 to 40 miles removed from the nearest railroad point. The company has a capital stock of \$300,000. It is reported that the Atchison, Topeka & Santa Fe Railroad is back of the new project, but there is no evidence of this from the list of incorporators. They are: S. M. Porter of Caney, Kan.; E. G. Cook, W. R. Ferguson, C. O. Vernon, M. McGinley, J. H. King, W. A. Pritchard, W. A. Squires, A. E. Brown, E. B. Pollard, T. L. Leichman, J. P. Wanbeam and John Phillips.

## FIRE EQUIPMENT

**WOODLAND, Yolo Co., Cal.**—The City Trustees have decided that after the City Hall has been remodeled the question of motorizing the fire department will be taken up. Funds for the purchase of the apparatus will probably be raised by bond issue.

**LIVERMORE, Alameda Co., Cal.**—The City Trustees are considering the offer of the Ganewell Fire Alarm Co. for the installation of a modern fire alarm system (12-box) at a cost of \$3,000.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS, ....

#### San Francisco County

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2038	Siebrecht	Lapham	11000
2039	Lachmann	Binet	800
2040	Nelson	Nelson	6000
2041	Nelson	Nelson	12000
2042	Maskey	Schultz	4000
2043	Blair	Diston	1200
2044	Lafin	Merchant	1500
2045	Quarz	Durham	450
2046	Ast	Ast	1000
2047	Bennett	Kronnick	600
2048	Hubert	Hubert	400
2049	Pacific G & E	McClure	19000
2050	Henno	McClure	200
2051	McCarthy	Barrett	12000
2052	Falvey	Falvey	1000
2053	Johnson	Johnson	2900
2054	Turner	Coggins	1500
2055	Snake Drug Co	Jones	1800
2056	Bourdet	Loustmann	400
2057	Vaysie	Vaysie	400
2058	Meagher	Muller	600
2059	Wymore	Monson	900
2060	Kitchener	Ahl	3800
2061	Morbio	Hathcock	1500
2062	Morbio	Morbio	5000
2063	Donivan	Chase	400
2064	Kramer	Carillon	400
2065	Corridan	Corridan	400
2066	Sheldon	Swenson	450
2067	Allen	Hamill	8000
2068	Allen	Hamill	30000
2069	Cowen	Brutcher	2175
2070	Morris	Morris	6000
2071	Same	Same	7500
2072	R C Archbishop	Owens	25000
2073	Levi	Levi	3000
2074	Sutro	Sutro	5750
2075	Sutro	Sutro	5750
2076	Sutro	Sutro	5750
2077	Sutro	Sutro	5750
2078	Sutro	Sutro	5750
2079	Sutro	Sutro	5750
2080	Sutro	Sutro	5750
2081	Sutro	Sutro	5750
2082	Sutro	Sutro	5750
2083	Berghausen	Owner	1500
2084	Abbate	Demartini	1500
2085	Finkelstine	Hinson	475
2086	Cortese	Poncoro	750
2087	Lecoures	Partidos	400
2088	Sloss	Amer Conc	3800
2089	Langley	Hinson	5180
2090	Same	Arras	6250
2091	Stewart	Moore	3395
2092	Savory	Savory	60000
2093	Gerard Invest	Owner	150000
2094	Seaboard Bk	Stockholm	6000
2095	Bunyan	Barrett	1000
2096	Rittigstein	Coggins	1000

#### FRAME DWELLING

(2038) NE ANZA AND FIFTEENTH Ave N 35x E 72-6 O L 270. All work for two-story frame dwelling.

Owner—Blanche Siebrecht w/ Adolph, 167 17th Ave., San Francisco.  
 Architect—W. H. Weeks and A. R. Lapham, 485 36th Ave., S. F.  
 Contractor—Alton R. Lapham, 485 36th Ave., San Francisco.

Filed Sept. 22, '19. Dated Aug. 8, '19.  
 Frame up ..... \$2750  
 Brown coated and rough plumbing in ..... 2750  
 Completed and accepted ..... 2750  
 Usual 35 days ..... 2750

TOTAL COST, \$11,000  
 Bond \$2750 Surety, C. R. Spooner.  
 Limit, forfeit, none. Plans and specifications filed.

#### MOVE FLATS, ETC.

(2039) W CAPP 120-2 S 16th. Move flats, foundation, etc.  
 Owner—Gus. Lachmann, Mission and 16th, San Francisco.  
 Architect—None.  
 Contractor—John J. Binet Co., 68 Ramona, San Francisco.

COST, \$800

#### FRAME DWELLING

(2040) N PLYMOUTH 122½ N San Ramon. One-story and basement frame dwelling.

Owner—Nelson Bros., 30 Northwood Drive, San Francisco.  
 Architect—Chas. Strothoff, 2276 15th, San Francisco.

Day's work. COST, \$6000

#### DWELLINGS

(2041) W MIRAMAR 63 and 103 N Westwood. Two one-story and basement frame dwellings.

Owner—Nelson Bros., 30 Northwood Drive, San Francisco.  
 Architect—Chas. Strothoff, 2276 15th, San Francisco.

Day's work. COST, \$6000 each

#### ALTERATIONS

(2042) NO. 46 KEARNY. Move partitions and waterproof floor.

Owner—Anna Maskey, 52 Kearny St., San Francisco.  
 Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Contractor—Schultz Constr. Co., 46 Kearny, San Francisco.

COST, \$4000

#### ELEVATOR

(2043) NO. 544 FUNSTON AVE. Install hydraulic elevator.

Owner—J. Blalr, Premises.  
 Architect—None.  
 Contractor—A. E. Disston, 1021 Clement, San Francisco.

COST, \$1200

#### ALTERATIONS

(2044) NE CLEMENT AND SECOND Ave. Alter for store.

Owner—Miss Adele Lafin, 828 Ashbury, San Francisco.  
 Architect—None.  
 Contractor—C. T. Merchant, 180 Jessie, San Francisco.

COST, \$1500

#### ADDITION

(2045) NO. 3845 CALIFORNIA. Add porches to dwelling.

Owner—Richard Quarg, NE Powell & O'Farrell, San Francisco.  
 Architect—None.  
 Contractor—T. J. Durham, 1443 Fillmore, San Francisco.

COST, \$450

#### ALTERATIONS

(2046) S SIXTEENTH 50 E Sanchez Alter and re-construct three-story frame flats.

Owner—Mrs. Anna Ast, Cr. Architect  
 Architect—Wm. A. Newman, 402 Post Office Bldg., San Francisco.

Day's work. COST, \$1000

#### REPAIRS

(2047) NO. 1975 SUTTER. Repair fire damage to dwelling.

Owner—A. W. Bennett, 140 Geary St., San Francisco.

Architect—None.  
 Contractor—Kronnick Bros., 1659 O'Farrell, San Francisco.

COST, \$600

#### FRAME SHED

(2048) SE ARMY AND FOLSOM. One story frame shed.

Owner—A. Hubert, 3183 Army, S. F.  
 Architect—None.  
 Day's work.

COST, \$400

#### EXCAVATING, ETC.

(2049) E HOWARD AND FIFTH NE 150xSE 155. Excavating, grading, bulkheading, raze brick walls or foundations, etc., for building.

Owner—Pacific Gas & Electric Co., (a corp), 445 Sutter, San Francisco.  
 Architect—Wm. Knowles, Hearst Bldg., San Francisco.

Contractor—H. N. McClure, 604 Octavia, San Francisco.

Filed Sept. 23, '19. Dated Sept. 23, '19.

15th of each month ..... 75%  
 \$1.25 per cu. yd. of debris excavated and removed; 16 cents for each sq. ft. of bulkheading; and money equal to the cost of labor performed in razing brick walls or foundations plus a sum equal to 10%.

TOTAL COST not to exceed \$13,000  
 Bond, \$10,000. Sureties, I. B. Dalziel and J. O'Shea Co. Limit, 46 days. Forfeit, none. Plans and specifications filed.

#### ALTERATIONS, ETC.

(2050) LOT 2 BLK "C." Lakeview. Moving, alterations and additions to dwelling.

Owner—Louis F. and Lillian Henno, 4 Bruce St., San Francisco.

Architect—None.  
 Contractor—Olaf Olsen, 1214 Stanyan, San Francisco.

Filed Sept. 23, '19. Dated Sept. 22, '19.

Moved, raised and basement enclosed ..... \$500  
 Rough plumbing in and plaster enclosed ..... 500  
 Completed and accepted ..... 500  
 Usual 35 days ..... 500

TOTAL COST, \$2000  
 Bond, \$1000. Sureties, C. E. Hubacher and C. L. Meyer. Limit, 80 days. Forfeit, none. Plans and specifications filed.

#### FRAME FLATS

(2051) E ATALAYA 161-11 N Fulton. Two-story and basement frame (2) flats.

Owner—Clarence McCarthy, Cr. Architect.

Architect—Benj. S. Hirschfield, 251 Kearny, San Francisco.

Contractor—Barrett & Hilp, Sharon City, San Francisco.

COST, \$12,000



## FRAME FLATS

(2052) NW GEARY AND TWENTY-  
eighth Ave. Two-story and base-  
ment frame (4) flats.  
Owner—A. J. Falvey, 124 Clayton,  
San Francisco.  
Architect—None.  
Day's work. COST, \$10,000

## FRAME DWELLING

(2053) W TWENTYETH AVE 266-8  
S Taraval. One-story and basement  
frame dwelling.  
Owner—Louis Johnson, 2260 19th Ave.,  
San Francisco.  
Architect—None.  
Day's work. COST, \$2,900

## ALTERATIONS

(2054) NO. 134 GOLDEN GATE AVE.  
Alter for offices.  
Owner—Turner & Dahnen Co., Prem.  
Architect—None.  
Contractor—L. M. Coggins, 115 Turk,  
San Francisco.  
COST, \$1,500

## ADDITION

(2055) NO. 129 KEARNY. Add mez-  
zanine floor for store.  
Owner—Snake Drug Co., Premises.  
Architect—Herman Barth, Phelan  
Bldg., San Francisco.  
Contractor—W. G. Jones, 2412 Pacific  
Ave., San Francisco.  
COST, \$1,800

## ADDITION

(2056) NO. 521 ELEVENTH AVE.  
Add porch 2 stories high for dwlg.  
Owner—Joseph Bourdet, 1047 Mc-  
Allister, San Francisco.  
Architect—None.  
Contractor—J. Loustmann, 553 Cedar,  
San Francisco.  
COST, \$400

## NEW FRONT

(2059) SW SEVENTH AND STEVEN-  
son. New front.  
Owner—Alex Vayssie et al, Odeon  
Hotel, San Francisco.  
Architect—Fabre & Bearwald, 625  
Market, San Francisco.  
Day's work. COST, \$400

## FRAME STORE HOUSE

(2058) NO. 1621 SAN BRUNO AVE.  
One-story frame store house.  
Owner—J. Meagher, 1626 San Bruno  
Ave., San Francisco.  
Architect—None.  
Contractor—C. F. Muller, 84 28th,  
San Francisco.  
COST, \$600

## FOUNDATION, ETC.

(2059) NO. 1159 HOWARD. Brick  
foundation, etc.  
Owner—W. T. Wymore, Cr. Contractor  
Architect—None.  
Contractor—Monson Bros., 180 Jessie,  
San Francisco.  
COST, \$900.

## ALTERATIONS

(2060) NW BATTERY AND MARKET.  
Alter for store.  
Owner—Kitchener & Schmelian, 160  
Powell, San Francisco.  
Architect—None.  
Contractor—G. E. Ahl, 1237 2nd Ave.,  
San Francisco.  
COST, \$3,800

## ALTERATIONS

(2061) S HOWARD 100 W Ninth.  
Alter for bakery.  
Owner—Briseoe Bakery, Premises.  
Architect—None.  
Contractor—A. G. Hathcock, 230 Te-  
hama, San Francisco.  
COST, \$1,500

## FRAME STORE BUILDING

(2062) LOTS 9 AND 10 BLK 3196,  
Westwood Park. One-story frame  
building (3) stores.  
Owner—A. and C. S. Morbio, 729 Call  
Bldg., San Francisco.  
Architect—None.  
Contractor—Adolph Morbio, 744 Call  
Bldg., San Francisco.  
COST, \$5,000

## ALTERATIONS

(2063) NO. 940 HAIGHT. Alter for  
private garage.  
Owner—H. Donivan, Premises.  
Architect—None.  
Contractor—S. A. Chase, 80 Douglass,  
San Francisco.  
COST, \$400

## ALTERATIONS

(2064) NO. 4029 TWENTY-THIRD.  
Alter basement for garage.  
Owner—Mrs. Kramer, Premises.  
Architect—None.  
Contractor—Chas. A. Carillon, 180 Jes-  
sie, San Francisco.  
COST, \$400

## ALTERATIONS

(2065) NO. 246 TEXAS. Alter and  
enlarge dwelling.  
Owner—Thos. Corridan, Premises.  
Architect—None.  
Day's work. COST, \$400

## ALTERATIONS

(2066) NO. 451 MARKET. Alter for  
restaurant.  
Owner—Mark Sheldon, Sheldon Bldg.,  
San Francisco.  
Architect—None.  
Contractor—Swenson & Franzen, 145  
Natoma, San Francisco.  
COST, \$450

## FRAME DWELLING

(2067) E TWENTY-NINTH AVE 62½  
N Lake. Two-story and basement  
frame dwelling.  
Owner—Allen & Co., 125 Sutter St.,  
San Francisco.  
Architect—Earl B. Bertz, 68 Post St.,  
San Francisco.  
Contractor—Thos. Hamill, 4101 Balboa  
St., San Francisco.  
COST, \$8,000

## FRAME DWELLINGS

(2068) E TWENTY-NINTH AVE 178-2  
216 and 253½ N Lake. Three two-  
story and basement frame dwlgis.  
Owner—Allen & Co., 125 Sutter St.,  
San Francisco.  
Architect—Earl B. Bertz, 68 Post St.,  
San Francisco.  
Contractor—Thos. Hamill, 4101 Balboa  
St., San Francisco.  
COST, \$10,000 each

## ALTERATIONS

(2069) NO. 225 FRONT. All work for  
alterations and additions to one-  
story store building (brick).  
Owner—M. S. Cowen & Co., 214 Front,  
San Francisco.  
Architect—W. H. Crim Jr., 425 Kear-  
ny, San Francisco.

Contractor—Brutcher & Serna, 180  
Jessie, San Francisco.  
Filed Sept. 25, '19. Dated Sept. 18, '19.  
Plastering completed and mill  
work delivered ..... \$540  
Completed and accepted..... 1091  
Usual 35 days..... 544  
TOTAL COST, \$2,175

Bond, \$1090. Sureties, Chas. A. Caril-  
lon and Jno. Flaherty Limit, 40 days.  
Forfeit, none. Plans and specifications  
filed.

## FRAME BUNGALOW

(2070) LOT 18 BLK 3176, Westwood  
Park. All work for one-story and  
basement frame bungalow.  
Owner—Linnie Morris, 132 Judson Av.,  
San Francisco.  
Architect—Willard W. Beatty, 54  
Eastwood Drive, San Francisco.  
Contractor—Gordon W. Morris, 132  
Judson Ave., San Francisco.  
Filed Sept. 25, '19. Dated Aug. 27, '19.  
Enclosed and roof on..... \$1,500  
Brown coated ..... 1500  
Completed and accepted..... 1500  
Usual 35 days..... 1500  
TOTAL COST, \$6,000

Bond, \$3,000. Sureties, D. C. Brown &  
Geo. Y. Morton. Limit, 90 days. For-  
feit, none. Plans and specifications  
filed.

NOTE:—1st report No. 2014, Sept. 19.

(2071) E MIRAMAR 370 S Wildwood,  
being lot 8 and N 10 feet lot 9, block  
3190, Westwood Park. All work for  
one-story and basement frame gar-  
age.

Owner—Linnie Morris, 132 Judson, San  
Francisco.  
Architect—A. W. Smith, 1010 Broad-  
way, Oakland.  
Contractor—Gordon W. Morris, 132  
Judson, San Francisco.  
Filed Sept. 25, '19. Dated Aug. 27, '19.  
Enclosed and roofed ..... \$1,875  
Brown coated ..... 1875  
Completed and accepted ..... 1875  
Usual 35 days ..... 1875  
TOTAL COST, \$7,500

Bond, \$3,750. Sureties, D. C. Brown  
& Geo. Y. Morton. Forfeit, none.  
Limit, 90 days. Plans and specifications  
filed.

No. 2015 reported Sept. 19.

## SCHOOL

(2072) NW SANCHEZ ANI VALLEY.  
Three-story brick and concrete gym-  
nasium and school, 100x51-6.  
Owner—Roman Catholic Archbishop of  
San Francisco, 1100 Franklin St.,  
San Francisco.  
Architect—Frank Shea and John Lof-  
quist, Chronicle Bldg., S. F.  
Day's work. COST, \$25,000

## ALTERATIONS

(2073) SW BATTERY AND PINE.  
Enlarge entrances on corner.  
Owner—Levi Strauss Realty Co.  
Architect—Bliss & Faville, 1001 Balboa  
Bldg., San Francisco.  
Day's work. COST, \$3,000

## BUNGALOW

(2074) NE FORTY-FOURTH AVE &  
Geary. One-story and basement  
frame bungalow, 24x50.  
Owner—Mrs. Henrietta L. B. Sutro.  
Architect—E. E. Young, 251 Kearny,  
San Francisco.  
Day's work and Sub-Contracts.  
COST, \$5,750

## BUNGALOW

(2075) W FORTY-FOURTH AVE N  
Geary. One-story and basement  
frame bungalow, 24x50.

Owner—Mrs. Hennrietta L. B. Sutro.  
Architect—E. E. Young, 251 Kearny,  
San Francisco.

Day's work and Sub-Contracts.  
COST, \$5750

## BUNGALOW

(2076) SE FORTY-FOURTH AVE &  
Geary. One-story and basement  
frame bungalow, 24x50.

Owner—Mrs. Hennrietta L. B. Sutro.  
Architect—E. E. Young, 251 Kearny,  
San Francisco.

Day's work and Sub-Contracts.  
COST, 5750

## BUNGALOW

(2077) E FORTY-FIFTH AVE 76 N  
Geary. One-story and basement  
frame bungalow, 24x50.

Owner—Mrs. Hennrietta L. B. Sutro.  
Architect—E. E. Young, 251 Kearny,  
San Francisco.

Day's work and Sub-Contracts.  
COST, \$5750

## BUNGALOW

(2078) SE FORTY-FIFTH AVE AND  
Geary. One-story and basement  
frame bungalow, 24x50.

Owner—Mrs. Hennrietta L. B. Sutro.  
Architect—E. E. Young, 251 Kearny,  
San Francisco.

Day's work and Sub-Contracts.  
COST, \$5750

## BUNGALOW

(2079) E FORTY-FIFTH AVE 38 N  
Geary. One-story and basement  
frame bungalow, 24x50.

Owner—Mrs. Hennrietta L. B. Sutro.  
Architect—E. E. Young, 251 Kearny,  
San Francisco.

Day's work and Sub-Contracts.  
COST, \$5750

## BUNGALOW

(2080) NE FORTY-FIFTH AVE &  
Geary. One-story and basement  
frame bungalow, 24x50.

Owner—Mrs. Hennrietta L. B. Sutro.  
Architect—E. E. Young, 251 Kearny,  
San Francisco.

Day's work and Sub-Contracts.  
COST, \$5750

## BUNGALOW

(2081) N GEARY 96 E 45th Ave. One  
-story and basement frame bungalow,  
24x50.

Owner—Mrs. Hennrietta L. B. Sutro.  
Architect—E. E. Young, 251 Kearny,  
San Francisco.

Day's work and Sub-Contracts.  
COST, \$5750

## BUNGALOW

(2082) S GEARY 97 E 45th Ave. One  
story and basement frame bungalow,  
24x50.

Owner—Mrs. Hennrietta L. B. Sutro.  
Architect—E. E. Young, 251 Kearny,  
San Francisco.

Day's work and Sub-Contracts.  
COST, \$5750

## ALTERATIONS

(2083) NE BUSH AND GRANT AVE.  
Alter for store.

Owner—J. H. Berghauer, 333 Kearny,  
San Francisco.  
Architect—Earle B. Bertz, Foxcroft  
Bldg., San Francisco.

Day's work. COST, \$1500

## ALTERATIONS

(2084) NO. 1212 EIGHTEENTH. Raise,  
underpin and alter dwelling.  
Owner—L. Abbate, Premises.

Architect—None.  
Contractor—Fred Demartini, 52 Winter  
Place, San Francisco.

COST, \$1500

## ALTERATIONS

(2085) NO. 56-58 DIAMOND. Alter  
dwelling.

Owner—I. Finkelstine, 41 Powell St.,  
San Francisco.

Architect—None.  
Contractor—L. A. Hinson, 1228 Grove,  
San Francisco.

COST, \$475

## ALTERATIONS

(2086) NO. 228 COLUMBUS. Alter for  
store.

Owner—E. Cortese, Premises.  
Architect—Italo Zanolini, 604 Mont-  
gomery, San Francisco.

Contractor—J. Ponsero, 10 Stark, S. F.

COST, \$750

## ALTERATIONS

(2087) NO. 232 O'FARRELL. Alter  
for restaurant.

Owner—C. Lecocure, Premises.  
Architect—None.  
Contractor—S. Partidos, 432 23rd Ave.,  
San Francisco.

COST, \$400

## EXCAVATING ETC.

(2088) SW GEARY & FIFTEENTH  
Ave W 142 S 100 E 39-54 SE 5 in.  
E 102-54 — 100-5. Excavating,  
grading, backfilling, concrete and  
cement work for two three-story  
and basement frame apartment  
houses.

Owner—Ben. Schloss.  
Architect—August G. Headman, Call  
Bldg., San Francisco.

Contractor—American Concrete Co.,  
Humboldt Bank Bldg., S. F.

Filed Sept. 26, '19. Dated Sept. 23, '19.  
Concrete foundations done....\$1800  
Completed and accepted..... 1050  
Usual 35 days..... 950

TOTAL COST, \$3800

Bond, \$1900. Sureties, Lee Shirar and  
Jos. Burroni. Limit, 30 days. Forfeit,  
\$10. Plans and specifications filed.

(2089) E VALENCIA 135 S McCoppin  
S 50xE 167-6. Alterations and addi-  
tions to garage building, except ex-  
cavation, concrete, steel, cement and  
brick work.

Owner—Chas. F. Langley and Mille L.  
Wright.  
Architect—Arthur S. Bugbee, Sharon  
Bldg., San Francisco.

Contractor—L. A. Hinson, 1228 Grove,  
San Francisco.

Filed Sept. 26, '19. Dated Sept. 22, '19.  
Roof in place and sheathed....\$1943  
Completed and accepted..... 1942  
Usual 35 days..... 1295

TOTAL COST, \$5180

Bond, \$2590. Sureties, Fibrestone &  
Roofing Co. and F. E. Hooper. Limit,  
30 days. Forfeit, none. Plans and  
specifications filed.

(2090) EXCAVATION AND FILL  
concrete reinforcing steel, cement  
plaster, brick and Fenestra sash on  
above

Contractor—Adam Arras, 65 Hoff Ave.,  
San Francisco.

Filed Sept. 26, '19. Dated Sept. 22, '19.  
Concrete walls poured.....\$2347  
Completed and accepted..... 2348  
Usual 35 days..... 1665

TOTAL COST, \$6260

Bond, \$3130. Sureties, A. D. Collman  
and Chas. J. U. Koenig. Limit, 45  
days. Forfeit, \$10. Plans and speci-  
fications filed.

## ALTERATIONS

(2091) NO. 353 GEARY. All work for  
alterations and additions to Hotel  
Stewart.

Owner—Chas. A. and Margaret Ste-  
wart (The Hotel Stewart, a corpn.),  
Premises.

Architect—George E. McCrea, 1st Na-  
tional Bank Bldg., Oakland.

Contractor—Clarence M. Moore and  
George E. Watson (Cptn.), 110 Jes-  
sie, San Francisco.

Filed Sept. 26, '19. Dated Sept. 25, '19.  
On 1st of each month..... 75%  
Usual 35 days..... 25%

TOTAL COST, \$3995

Bond, \$2000. Sureties, Wm. Williams  
and Frank Thompson. Limit, 60 days.  
Forfeit, none. Plans and specifications  
filed.

## APARTMENTS

(2092) S SUTTER 160-5 E Jones. Five  
story reinforced concrete (31) apart-  
ments, 45x100.

Owner—John R. Savory, 1540 Clay St.,  
San Francisco.

Architect—Rousseau & Rousseau, 110  
Sutter St., San Francisco.

Day's work and Sub-Contracts  
COST, \$60,000

## AUTO SALES ROOMS

(2093) NE HYDE AND POST. Three-  
story and basement reinforced con-  
crete auto sales rooms, 77½x137-6.

Owner—Gerard Investment Co., 110  
Sutter St., San Francisco.

Architect—Rousseau & Rousseau, 110  
Sutter St., San Francisco.

Day's work and Sub-Contracts.  
COST, \$150,000

## ALTERATIONS

(2094) SW BEALE AND MARKET.  
Alter interior of bank.

Owner—Seaboard National Bank,  
Premises.

Architect—B. G. McDougall, Sheldon  
Bldg., San Francisco.

Contractor—Chas. Stockholm, Monad-  
nock Bldg., San Francisco.

COST, \$6000

## ALTERATIONS

(2095) NO. 3179 MISSION. Cement  
plaster exterior of dwelling, new  
stairs, concrete foundation and floor.

Owner—Thos. Eunyuan, Premises.  
Plans by Owner.

Contractor—Bartlett & Hilp, Sharon  
Bldg., San Francisco.

COST, \$2000

## ALTERATIONS

(2096) W MONTGOMERY 40 N Sut-  
ter. New front, mezzanine floor,  
electric work, plumbing and painting  
for store.

Owner—Frank Rittigstein, 75 Mont-  
gomery, San Francisco.

Architect—None.  
Contractor—Louis J. Cohn, 625 Market  
San Francisco.

COST, \$1000

## COMPLETION NOTICES.

## San Francisco County

Sept. 26, 1919—NE ANZA AND 25th Ave. Chas A Johnson to whom it may concern.....Sept. 26, 1919

Sept. 26, 1919—W TWENTY-FIFTH Ave 270 S Anza S 30xW 120. G Chafetopulos to D Houle.....Sept. 26, 1919

Sept. 22, 1919—SE RAILROAD AND Oakdale Aves N 71 E to Mendel S to Oakdale thence to beg. Regina Lumpf to O Monson.....Sept. 20, 1919

Sept. 23, 1919—S POST 129 E W Leavenworth W 55 xS 137 E. Louis D Stoff to whom it may concern.....Sept. 20, 1919

Sept. 23, 1919—E TWENTY-THIRD Ave 125 S Judah S 25 E 102 S SW 150-4 m or 1 E 28 m or 1 N 175 W 120. Edward W and Etta S Perkins to E Weigand.....Sept. 18, 1919

Sept. 22, 1919—W LISBON 125 S Amazon SE 25x E 100 Lot 23 Elk C Crocker Amazon Tract Harry Berry to whom it may concern.....Sept. 18, 1919

Sept. 22, 1919—MISSION AND Embarcadero. Nellie M Lowry, Agnes Lowry and Isabel L Soule to Salina & Talacco.....Sept. 12, 1919

Sept. 19, 1919—SE CALIFORNIA & Twelfth Ave 32-6x100. Edward Ginley to whom it may concern.....Sept. 12, 1919

Sept. 22, 1919—NW LAUREL AND Washington W 82-6xN 100. C J Hillard to R J H Forbes Sept. 13, 1919

Sept. 19, 1919—W FIFTH & MARCER Ave 40 N Jackson N 113-114 NW 74-2 m or 1 W 103-8 1/4 m or 1 S 160 E 62 S 20 E 85-6. Wellman Peck & Co to Hannah Bros. Sept. 19, 1919

Sept. 19, 1919—SE SECOND AVE & Anza S 25x E 82-6. Axel A Johnson and Johnson to Johnson to whom it may concern. Sept. 18, 1919

Sept. 19, 1919—W NINETEENTH AV 325 S Anza; No. 55 19th Ave. Wm A Miller & Co to whom it may concern.....Sept. 19, 1919

Sept. 19, 1919—SE NINETEENTH & Valencia S 160 E 80 S 75 W 80 N 75 W Wm N Wiebehoft to Munster & Bornholdt, Frank J. Klimm, W. H. Kirsten, Thero Luetje. Sept. 11, 1919

Sept. 19, 1919—E TWENTY-FIRST AVE 150 S Balboa S 25x E 120. Kathryn Gomba to whom it may concern.....Sept. 12, 1919

Sept. 25, 1919—W NINTH AVE 175 N Geary. McGruer & Simpson to whom it may concern. Sept. 24, 1919

Sept. 24, 1919—W HYDE 57-8 S Bush S 50xW 95. Louis D Stoff to M B McGowan.....Sept. 22, 1919

Sept. 24, 1919—SE TWENTY-FIFTH & Valencia. Associated Oil Co to Barrett & Hilt. Sept. 13, 1919

Sept. 24, 1919—NE POST & MASON. Associated Oil Co to Barrett & Hilt.....Aug. 26, 1919

3017 Smith Stanley 500  
3018 Premier Knight 4553  
3019 S Pl Paraffine 1680  
3020 Shale Bigelow 2264  
3021 Lloyd Morris 12000  
3022 Hamilton McGinty 400  
3023 Pig & Whistle Walker 500  
3024 Cyale Doss 600  
3025 Galvin Valadon 575  
3026 London Quigley 400  
3027 Moore Allen 4000  
3028 Eklly Dev Mason 6000  
3029 Kern Kern 5300  
3030 Kern Kern 6000  
3031 Healy Healy 1750  
3032 Welkushan Owner 400  
3033 Henderson Smith 450  
3034 White Malley 8000  
3035 Sturgis Pedgrift 10000  
3036 Nat'l. Lead Hoyt 8000  
3037 Woolsey Woolsey 3000  
3038 Anderson Anderson 2985  
3039 Horsford Malley 5000  
3040 Norman Sharp 3500  
3041 Lorimer Lorimer 2400  
3042 Duncanson Brookhead 2000  
3043 Murphy Murphy 400  
3044 Carpenter Carpenter 1000  
3045 Zeitler Volckers 450  
3046 Battershill Cooper 500  
3046 Henshaw Parker 18950

DWELLING  
(2086) N AGUA VISTA AVE 300 E 35th Ave., Oakland. One and one-half-story 5-room dwelling.  
Owner—Walter J. Hustan, 677 42nd, Oakland.

Architect—None.  
Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Oakland.  
COST, \$4150

DWELLING  
(2087) W SEVENTY-SIXTH AVE 350 N E-14th, Oakland. One-story 5-room dwelling.  
Owner—H. A. Pleitner, 3258 E-14th, Oakland.

Architect—None.  
Day's work. COST, \$2600

DWELLING  
(2088) E FIFTEENTH AVE 84 N E-16th, Oakland. One-story 5-room dwelling.  
Owner—Frank Jardin, 1624 15th Ave., Oakland.

Architect—None.  
Day's work. COST, \$2000

ADDITION  
(2089) NO. 644 CHETWOOD AVE., Oakland. Addition.  
Owner—W. L. Webber, Premises.

Architect—None.  
Contractor—Ahnefeld & Brennan, 3108 Harper, Berkeley.  
COST, \$1000

ADDITION  
(2090) E LEWIS 100 S Railroad Ave S25x E 125, Oakland. All work for addition to brick garage.  
Owner—C. H. Nor, 1107 Chestnut street, Oakland.

Architect—None.  
Contractor—V. A. Hancock and George H. Lydiksens, 1244 29th Ave., Oakland.  
Filed Sept. 22, '19. Dated Sept. 3, '19. Plans ready for trusses .....\$1329  
Completed and accepted .....1329  
Usual 35 days .....1330  
TOTAL COST, \$3988

Bond, Sureties, Forfeit none. Limit, 35 days. Plans and specifications filed.

ALTERATIONS  
(2091) NO. 2848 GARBER, Berkeley. Alter and add to dwelling.  
Owner—Vernon A. Smith, 2732 Stuart, Berkeley.

Architect—None.  
Contractor—Fred W. Peters, 184 Ridgeway Ave., Oakland.  
COST, \$2500

DWELLING  
(2092) W HUENA VISTA WAY 100 W Greenwood Terrace, Berkeley. Two-story 8-room dwelling.  
Owner—B. Frank Gray.  
Architect—None.  
Contractor—Riddell Bldg. Service Corporation, 2247 Telegraph Ave., Berkeley.  
COST, \$6000

DWELLING  
(2093) E EIGHTY-SIXTH AVE 160 N Dowling, Oakland. One-story 5-room dwelling.  
Owner—Geo. H. Fox.  
Architect—None.  
Contractor—P. A. Newby, 2263 Auseon Ave., Oakland.  
COST, \$2000

SCHOOLS  
(2094) NE TENTH AND UNION, Oakland. Two one-story 1-room school.  
Owner—City of Oakland.  
Architect—None.  
Contractor—John R. Faulkes, 9828 E-14th, Oakland.  
COST, \$1200 each

SCHOOLS  
(2095) NE NINTH AND CAMPBELL, Oakland. Three one-story 1-room schools.  
Owner—City of Oakland.  
Architect—None.  
Contractor—John R. Faulkes, 9828 E-14th, Oakland.  
COST, \$1200 each

REPAIRS  
(2096) NO. 6511 RAYMOND, Oakland. Repairs.  
Owner—O. E. Nelson, 537 66th, Oakland  
Architect—None.  
Day's work. COST, \$400

ADDITION  
(2097) NO. 9823 "D" ST., Oakland. Addition.  
Owner—P. Passarini, Premises.  
Architect—None.  
Contractor—E. Primett, 1604 94th Ave., Oakland.  
COST, \$800

FRAME RESIDENCE  
(2098) LAKEWOOD PARK, Piedmont Two-story frame residence.  
Owner—M. I. Diggs, 1519 Broadway, Oakland.  
Architect—M. I. Diggs, 1519 Broadway, Oakland.  
Day's work. COST, \$4000

DWELLING  
(2099) ARBOR DRIVE AND FAIRVIEW AVE., Piedmont. Two-story frame dwelling and garage.  
Owner—L. A. Lausten, 2245 Durant Ave., Berkeley.  
Architect—None.  
Day's work. COST, \$3750

ALTERATIONS  
(3000) NO. 485 THIRTY-FOURTH, Oakland. Alter dwelling.  
Owner—J. A. Salinger, 1534 Franklin, Oakland.  
Architect—None.  
Contractor—California Builders Co., 1534 Franklin, Oakland.  
COST, \$2200

DWELLING  
(3001) NW CALMAR AND MANDANA, Oakland. One-story 6-room dwlg.  
Owner—Leo J. Dolan, 2259 E-16th,

## BUILDING CONTRACTS.

## Alameda County.

No. Owner Contractor Amt.  
3086 Hustan Sommarstrom 4150  
3087 Pleitner Owner 2600  
3088 Jardin Jardin 2000  
3089 Walcher Ahnefeld 1900  
3091 Smith Peters 2500  
3092 Gray Riddell 6000  
3093 Fox Newby 6000  
3094 City of Okd Faulke 2100  
3095 Same Same 3600  
3096 Nelson Nelson 400  
3097 Passarini Primett 200  
3098 Diggs Diggs 4000  
3099 Lauster Lauster 3750  
3000 Salinger Cal Bldrs 2200  
3001 Dolan Dolan 4000  
3002 Peterscon Hambleton 3490  
3003 Vaughn Vaughn 3380  
3004 Watwater Cook 111  
3005 Benasutti Benasutti 500  
3006 Dalziel Dalziel 3000  
3007 Gilbert Jones 400  
3008 McGregor Ower 250  
3009 Donough Broad 700  
3010 Ballantine Bowers 400  
3011 Vinson Morris 12000  
3012 Piceance Piceance 2500  
3013 Land Land 2900  
3014 Smith Smith 4000  
3015 Larsen Larsen 6000  
3016 Endriss Jones 700

Oakland.  
Architect—None.  
Day's work. COST, \$4000

DWELLING  
(3002) S MONTELL 507 — Piedmont Ave., Oakland. One-story 5-room dwelling.  
Owner—Mrs. J. W. Peterson, 90 Rio Vista Ave., Oakland.  
Architect—None.  
Contractor—Fred Hambleton, 3737 13th Ave., Oakland. COST, \$3490

DWELLING  
(3003) S JEAN 210 E Perry, Oakland. One-story six-room dwelling.  
Owner—M. C. Vaughn, 3833 Ayala, Oakland.  
Architect—None.  
Day's work. COST, \$3380

ADDITION  
(3004) NO. 1114 EXCELSIOR AVE., Oakland. Addition.  
Owner—Wm. Watwater, Premises.  
Architect—None.  
Contractor—E. P. Cook, 1744 13th Ave., Oakland. COST, \$611

STORE  
(3005) CORNER FIFTY-FIFTH AND Lowell, Oakland. One-story store.  
Owner—Ernest Roniti, 957 55th, Okd.  
Architect—None.  
Contractor—Pio Benassini, 418 Avon, Oakland. COST, \$500

OIL BURNER  
(3006) N FIFTEENTH 100 E Clay, Oakland. Oil burner.  
Owner—Robt. Dalziel Est., Premises.  
Architect—None.  
Day's work. COST, \$3000

ADDITION  
(3007) NO. 5661 AYALA, Oakland. Addition.  
Owner—Mrs. C. M. Gilbert, Premises.  
Architect—None.  
Contractor—H. D. Jones, 5502 Telegraph Ave., Oakland. COST, \$400

ALTERATIONS  
(3008) NO. 647 ELDORADO AVE., Oakland. Alterations.  
Owner—C. M. MacGregor, 470 13th, Oakland.  
Architect—None.  
Day's work. COST, \$450

GARAGE  
(3009) NO. 2035 BANCROFT WAY, Berkeley. Garage.  
Owner—Mr. Donough, Premises.  
Architect—None.  
Contractor—A. H. Broad, 2117 Kittredge, Berkeley. COST, \$700

ADDITION  
(3010) NO. 2578 BUENA VISTA WAY Berkeley. Addition and alterations.  
Owner—John Knop Ballantine, Prem.  
Architect—None.  
Contractor—F. P. Bowers, 2027 Channing Way, Berkeley. COST, \$400

APARTMENTS  
(3011) S CHABOT ROAD 100 E College Ave., Oakland. Two-story 18-room apartments.  
Owner—R. B. Vinson, Syndicate Bldg., Oakland.

Architect—None.  
Contractor—Solomon Morris, 1507 Harrison, Oakland. COST, \$12,000

DWELLING  
(3012) NE NINETY-SECOND AVE & Walnut, Oakland. One-story five-room dwelling.  
Owner—Joseph Picance, 1524 92nd Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2500

DWELLING  
(3013) N EVERETT 400 E Park Blvd., Oakland. One-story 5-room dwelling.  
Owner—Robert Land, 3203 Market, Oakland.  
Architect—None.  
Day's work. COST, \$2900

DWELLING  
(3014) S EXCELSIOR AVE 150 E Alma Ave., Oakland. Two-story 7-room dwelling.  
Owner—M. F. Smith, 436 Moss Ave., Oakland.  
Architect—None.  
Day's work. COST, \$4000

DWELLINGS  
(3015) W TWENTY-NINTH AVE 180 and 320 N E-14th, Oakland. Two one-story 5-room dwellings.  
Owner—R. K. Larsen, 1550 28th Ave., Oakland.  
Architect—None.  
Day's work. COST, \$3000 each

GARAGE  
(3016) NO. 193 MONTECITO AVE, Oakland. Garage.  
Owner—Mrs. Endriss.  
Architect—None.  
Contractor—Walter P. Jones, 2218 Los Angeles Ave., Berkeley. COST, \$700

ALTERATIONS  
(3017) NO. 5375 BOND, Oakland. Alterations.  
Owner—M. S. Smith, Palo Alto.  
Architect—None.  
Contractor—C. B. Stanley, 1507 50th Ave., Oakland. COST, \$500

ADDITION  
(3018) NO. 1002 TWENTY-SECOND Ave., Oakland. All work for frame and galvanized iron addition to plant.  
Owner—Premier Machinery Co., Prem.  
Architect—None.  
Contractor—Harry C. Knight, 1601 Telegraph Ave., Oakland.  
Filed Sept. 25. Dated Aug. 20, '19.  
Roof joists in place ..... \$1100  
Cement floor completed ..... 1100  
Galvanized iron in place ..... 1259  
Completed and accepted ..... 1100  
TOTAL COST, \$4559  
Bond, Sureties. Forfeit, none. Limit, 60 days. Plans only filed.

T. & G. ROOF  
(3019) OAKLAND PIER, Oakland. T. & G. roof on warehouse.  
Owner—Southern Pacific Railroad.  
Architect—None.  
Contractor—The Paraffine Companies, Inc., 30-40 1st, San Francisco.  
Filed Sept. 25, '19. Dated Sept. 12, '19.  
Each month ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$1680

Bond, \$1680. Sureties, American Surety Co. Forfeit, none. Limit, 30 days. Plans and specifications filed.

DWELLING  
(3020) N E-TWENTY-THIRD 120 V 10th Ave., Oakland. One-story 5-room dwelling.  
Owner—Mandana E. Chase, 404 E-82d Oakland.  
Architect—None.  
Contractor—Bigelow & Champney, 82 13th, Oakland. COST, \$296

APARTMENTS  
(3024) S THIRTY-SIXTH 216 J Grove, Oakland. Two-story 18-room apartments.  
Owner—Stella M. Lloyd, 469 Rose St, Oakland.  
Architect—None.  
Contractor—Solomon Morris, 1507 Harrison, Oakland. COST, \$12,000

ADDITION  
(3022) NO. 376 FAIRMOUNT AVE, Oakland. Addition.  
Owner—A. L. Hamilton, Premises.  
Architect—None.  
Contractor—W. G. McGinty, 2516 Hillgard Ave., Berkeley. COST, \$40

REPAIRS  
(3023) NO. 511 FOURTEENTH, Oakland. Repairs.  
Owner—Pig & Whistle, Premises.  
Architect—None.  
Contractor—T. G. Walker, 566 4th, Oakland. COST, \$50

ALTERATIONS  
(3024) NO. 2708 ADELINE, Oakland. Alterations.  
Owner—Mrs. Craig, Premises.  
Architect—None.  
Contractor—Valadon & Woodman, 293 Adeline, Oakland. COST, \$57

ALTERATIONS  
(3025) NE SEVENTH AND HENRY, Oakland. Alterations.  
Owner—Mrs. Nora Galvin, Peralt Apartments, Oakland.  
Architect—None.  
Contractor—C. A. Doss, 2028 E-15th, Oakland. COST, \$60

REPAIRS  
(3026) NO. 522 WALSWORTH AVE, Oakland. Fire repairs.  
Owner—Edith Broberg London, Prem.  
Architect—None.  
Contractor—Chas. E. Quigley, 464 Val Buren Ave., Oakland. COST, \$40

ADDITIONS, ETC.  
(3027) NO. 58 HILLCREST ROAD Berkeley. Repairs and additions to two-story 7-room dwelling.  
Owner—J. G. Moore, Premises.  
Architect—None.  
Contractor—F. E. Allen, 2718 Regent Berkeley. COST, \$400

DWELLINGS  
(3028) N 5th NOMA AVE 130 and 161 W Josephine, Berkeley. Two one-story six-room dwellings.  
Owner—Berkeley Development Co. Shattuck and Addison, Berkeley.

Architect—None.

Contractor—Mason, McDuffie Co., Shattuck and Addison, Berkeley.  
COST, \$3000 each

#### DWELLING

(3039) W SHATTUCK AVE 80 N Marin Ave., Berkeley. One and one-half-story 7-room dwelling.

Owner—Herbert F. Kern, 965 Indian Rock Ave., Berkeley.  
Architect—None.  
Day's work. COST, \$5300

#### DWELLING

(3030) W SHATTUCK AVE 35 S Marin Ave., Berkeley. Two-story 8-room dwelling.

Owner—Herbert F. Kern, 965 Indian Rock Ave., Berkeley.  
Architect—None.  
Day's work. COST, \$6000

#### DWELLING

(3031) W TALBOT AVE 400 N Gilmore, Berkeley. One-story 4-room dwelling.

Owner—Mary C. Healy, 842 37th, Okd.  
Architect—None.  
Contractor—P. J. Healy, 842 37th, Okd.  
COST, \$1750

#### GARAGE

(3032) NO. 1121 FRESNO, Berkeley. Garage.  
Owner—A. S. Welkusham, Premises.  
Architect—None.  
Day's work. COST, \$400

#### GARAGE

(3033) NO. 2940 AVALON AVE., Berkeley. Garage.

Owner—H. N. Henderson, Premises.  
Architect—None.  
Contractor—Harry C. Smith, 2011 Francisco, Berkeley.  
COST, \$450

#### ADDITION

(3034) NW FIFTH AND KIRKHAM, Oakland. Three-story addition to brewery building.

Owner—G. White, Premises.  
Architect—None.  
Contractor—F. T. Malley, 501 Santa Ray Ave., Oakland.  
COST, \$8000

#### FACTORY

(3035) FOOTHILL BLVD. AND 106th Ave., Oakland. One-story concrete factory.

Owner—V. K. Sturgis, Premises.  
Architect—None.  
Contractor—Jas. H. Pedgrift, 565 16th, Oakland.  
COST, \$10,000

#### FURNACE HOUSE

(3036) FORTY-SEVENTH AVE AND E-10th, Oakland. One-story furnace house.

Owner—National Lead Co. of Calif., Premises.  
Architect—None.  
Contractor—H. P. Hoyt & Co., Monadnock Bldg., San Francisco.  
COST, \$6000

#### DWELLING

(3037) S E-TWENTY-FIRST 75 W 17th Ave., Oakland. One-story five-room dwelling.

Owner—J. R. Woolsey, 5677 Ocean View Drive, Oakland.  
Architect—None.  
Day's work. COST, \$3000

#### DWELLING

(3038) N DELAWARE 150 E Peralta Ave., Oakland. One-story 5-room dwelling.

Owner—A. L. Anderson, 4336 Leach Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2985

#### DWELLING

(3039) N ARIMO AVE 500 E Walla Vista, Oakland. Two-story 7-room dwelling.

Owner—M. Horsford, 501 Santa Ray, Oakland.  
Architect—None.  
Contractor—F. T. Malley, 501 Santa Ray, Oakland.  
COST, \$5000

#### DWELLING

(3040) S E-TWENTY-SECOND 70 E 11th Ave., Oakland. One-story five-room dwelling.

Owner—Albert E. Norman.  
Architect—None.  
Contractor—Andrew C. Sharp, 3260 Kansas, Oakland.  
COST, \$3500

#### GARAGE

(3041) S E-FOURTEENTH 60 E 24th Ave., Oakland. One-story brick garage.

Owner—J. M. Lorimer, 1817 9th Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2400

#### DWELLING

(3042) NW LOUISIANA & WALTER Ave., Oakland. One-story 4-room dwelling.

Owner—Wm. Duncanson, 705 Louisiana, Oakland.  
Architect—None.  
Contractor—Frank Brookhead, 864 57th, Oakland.  
COST, \$2000

#### SHOP

(3043) W THIRTY-FIFTH AVE 100 S E-14th, Oakland. One-story tin shop.

Owner—Wm. M. Murphy, 3410 E-14th, Oakland.  
Architect—None.  
Day's work. COST, \$500

#### ALTERATIONS

(3044) NO. 4324 MONTGOMERY, Oakland. Alterations.

Owner—Mrs. M. M. Carpenter, Prem.  
Architect—None.  
Day's work. COST, \$1000

#### ALTERATIONS

(3045) NO. 2439 DELMER, Oakland. Alterations.

Owner—G. Zeidler, Premises.  
Architect—None.  
Contractor—A. Volckers, 2120 25th Ave., Oakland.  
COST, \$450

#### DWELLING

(3046) N WISCONSIN 35 E Loma Vista, Oakland. One-story 4-room dwelling.

Owner—James Battershill, 1517 E-34th, Oakland.  
Architect—None.  
Day's work. COST, \$5000

#### THEATRE BUILDING

(3046) FOURTEENTH AND BROADWAY, Oakland. All work on Macdonough Theatre (extras).

Owner—William G. Henshaw, Mills Bldg., San Francisco.

Architect—Weeks & Day, Phelan Bldg., San Francisco.

Contractor—K. E. Parker Co., 519 California, San Francisco.

Filed Sept. 26, '19. Dated Sept. 25, '19.

TOTAL COST, \$18,950  
Bond, \$10,425. Sureties, Wm. H. Healy and J. H. Edwards, Limit, Apr. 10, 1920. Forfeit, none. Plans only filed.

### COMPLETION NOTICES.

#### Alameda County.

Recorded  
Sept. 27, 1919—SE TWENTY-Eighth Ave 422 NE E-17th NE 35.5 x SE 125, Okd. Sarah Sinclair to A. J. Bellefontaine and W. H. Higgins. Sept. 27, 1919  
Sept. 23, 1919—LOT 24 BLK "H" East Piedmont Heights, Oakland. William J. Baker to whom it may concern. Sept. 8, 1919  
Sept. 22, 1919—SW ROSE & HOLLY S 116.16 W 45 N 100 E 47.81, Bkly. William A. and Theresa Hebert to Fred E. Pfaff. Sept. 9, 1919  
Sept. 20, 1919—PT. 65 S Intersection Twenty-fourth & Webster S 35x 100, Okd. George A. Faulkner to F. A. Muller. Sept. 5, 1919

#### NOTICE OF NON-RESPONSIBILITY.

#### Alameda County.

Sept. 24, 1919—E BROADWAY 50 N th N 50x E 75, Okd. Joseph Bisagno to improvements on leased property

### BUILDING CONTRACTS.

#### Sacramento County.

#### WAREHOUSE

N 1/2 LOT 4 R. S. 20th and 21st Sts., Sacramento. Five-story and basement brick and reinforced concrete warehouse.

Owner—Capitol Sac. Trans. Van & Storage Co.

Architect—Woollett & Lamb, Physicians Bldg., Sacramento.

Contractor—Geo. D. Hudnutt, Inc., California Fruit Bldg., Sacramento.

Filed Sept. 22, '19. Dated Sept. 22, '19. COST, \$70,244

#### FRAME DWELLING

NO. 2531 "H" ST., Sacramento. Frame dwelling.

Owner—Joe Stephens, Premises.  
Architect—None.

Day's work. COST, \$4000

#### RESIDENCE

NO. 3004 "G" ST., Sacramento. Residence and garage.

Owner—J. Stephens.  
Architect—None.

Contractor—L. F. Gould, 600 Ventura St., Sacramento.

COST, \$3950

### COMPLETION NOTICE.

#### Sacramento County.

Recorded  
Sept. 15, 1919—LOT 1 L. M. 5th and 6th Sts., Sacramento. Ida M. Frazer to whom it may concern. Sept. 13, '19

## BUILDING CONTRACTS.

## Santa Clara County.

## RESIDENCE

TENNYSON ST., Palo Alto. All work for a two-story frame residence.  
Owner—Grace G. Mortimer, Los Gatos.  
Architect—Mt. View Home Builders, Inc., Mt. View.

Contractor—Mt. View Home Builders, Inc., Mt. View.

Filed Sept. 15, '19. Dated Sept. 15, '19.  
Frame completed .....\$842.00  
Enclosed, roofed and rough

plumbing in ..... 852.50

Plastering completed ..... 852.50

Completed and accepted ..... 852.50

Usual 35 days ..... 852.50

TOTAL COST, \$4252

Bond, \$2126.25. Sureties, Earl D. Minton and Henry A. Hoyt. Forfeit, none. Limit, 75 working days from above date. Plans and specifications filed.

## JOB SHOP

SE JULIAN and Pleasant Sts., San Jose. All work for 60x60 frame building and 248 lineal feet of 7-foot board fence with gates. To be known as the Farmers' Job Shop.

Owner—Bean Spray Pump Co., Julian and Terraine, San Jose.

Architect—I. A. Oliver, San Jose.

Contractor—R. O. Summers, 17 N. 1st, San Jose.

Filed Sept. 11, '19. Dated Sept. 10, '19.

All superstructure and iron

work in place ..... 1/2

Bldg. and fence completed ..... 1/2

Usual 35 days ..... 1/2

TOTAL COST, \$7819

Bond, \$3909.50. Sureties, Oscar Promis and R. H. Borchers, San Jose. Forfeit, none. Limit, 35 days. Plans and specifications filed.

## COMPLETION NOTICES.

## Santa Clara County.

Recorded Accepted  
Sept. 10, 1919—RANDOL AVE AND  
Chynman, Randol Add'n to Chap-  
man and Davis Tract. A K Bur-  
kett to whom it may concern.....  
Sept. 6, 1919  
Sept. 22, 1919—POLHEMUS ST. AND  
Stockton Ave., near San Jose.  
Charles B and E R Polhemus to  
E L Wolfe.....Sept. 19, 1919

## BUILDING CONTRACTS.

## San Joaquin County.

## FRAME DWELLING

N COUNTRY CLUB BLVD. 1 mile W  
Tuxedo Road, Stockton. Frame  
dwelling.

Owner—Mrs. Walter T. Jackson,  
Country Club Road, Stockton.

Architect—None.

Contractor—John H. and D. M. Sin-  
nett, 720 N-Baker St., Stockton.

Filed Sept. 23, '19. Dated Sept. 22, '19.  
Limit, 70 days. COST, \$4460

## FRAME RESIDENCE

VILLA ADDITION, Stockton. Frame  
residence.

Owner—O. Baerlocker, Stockton.

Architect—...one.

Day's work. COST, \$2500

## FRAME DWELLING

FLORA ST., bet. Yosemite and Stock-  
ton Sts., Stockton. Frame dwelling  
Owner—Ed. Shafner, Stockton.

Architect—None.

Day's work. COST, \$5000

## FRAME RESIDENCE

VAN BUREN ST., bet. Magnolia and  
Acacia Sts., Stockton. Frame resi-  
dence.

Owner—H. Remberg, Stockton.

Architect—None.

Day's work.

COST, \$4500

## OIL STATION

COR. FREMONT AND EL DORADO  
Sts., Stockton. Oil station.

Owner—Standard Oil Co., Stockton.

Architect—None.

Day's work.

COST, \$1000

## FRAME DWELLING

THE OAKS, Stockton. Frame dwlg.

Owner—Bert Butterwork, Stockton.

Architect—None.

Day's work.

COST, \$2000

## BUILDING

S 65 FEET LOT 2 and S 65 feet W 30  
feet of Lot 4 Blk 29, West of Center  
St., Stockton. All work for  
building.

Owner—L. Cassinelli, Stockton.

Architect—None.

Contractor—C. Elvis Totten and R. B.

Trewhitt, Stockton.

Filed Sept. 20, '19. Dated Sept. 8, '19.

TOTAL COST, \$49,448

Bond, none. Limit, 120 days.

## BUILDING

NW EIGHTH AND CENTRAL STS.,  
Tracy. All work for building.

Owner—G. A. D. Busckle.

Architect—None.

Contractor—Daniel R. Wagner, 224  
Judah St., San Francisco.

Filed Sept. 20, '19. Dated Aug. 30, '19.

Limit, 100 days.

TOTAL COST, \$35,500

## HEATING PLANT ON ABOVE.

Contractor—Scott Co., 243 Minna St.,  
San Francisco.

Filed Sept. 20, '19. Dated Aug. 30, '19.

Limit, 100 days.

TOTAL COST, \$1230

## ALTERATIONS

NO. 131 W-ROSE ST., Stockton. Re-  
model.

Owner—Carrie M. Kuhn.

Architect—None.

Day's work.

COST, \$2500

## DWELLING

PARK ST., bet. Edison and Harrison,  
Stockton. Frame dwelling and ga-  
rage.

Owner—Tony Calestini.

Architect—None.

Day's work.

COST, \$2450

## COMPLETION NOTICES.

## San Joaquin County.

Recorded Accepted  
Sept. 18, 1919—LOT 1 BLK 5, Sunny-  
side Add'n, Stockton. D B Poole  
to Clarence W Beck.....Sept. 13, 1919

## COMPLETION NOTICES.

## Marin County.

Recorded Accepted  
Sept. 22, 1919—LAGUNITAS, Eugenia  
A Merlatto to whom it may con-  
cern.....Sept. 11, 1919

## BUILDING CONTRACTS.

## Fresno County.

## FRAME DWELLING

NO. 1630 WHITE AVE., Fresno.  
Frame dwelling and garage.

Owner—Chas. Bailey, Fresno.

Architect—None.

Contractor—G. H. Walley, 135 Diana  
St., Fresno.

COST, \$3000

## DWELLING

LOTS 13 & 14 BLK 4, Leona Heights,  
Fresno. Dwelling and garage.

Owner—R. C. Kennedy, Fresno.

Architect—None.

Day's work.

COST, \$3000

NORTH ELMHURST Lot 39, Fresno.  
Frame dwelling and garage.

Owner—R. T. Wallace, 3221 Illinois  
St., Fresno.

Architect—None.

Day's work.

COST, \$3000

## ALTERATIONS

LOTS 31 AND 32 BLK 73, Fresno.  
Alterations to store.

Owner—W. P. Lyon, 1134 "T" St.,  
Fresno.

Architect—None.

Contractor—E. Riggins, Mason Bldg.,  
Fresno.

COST, \$10,000

## RESIDENCE

FIRST AND ILLINOIS STS., Fresno.

All work for brick residence.

Owner—D. P. Pagano, 3382 Illinois St.,  
Fresno.

Architect—None.

Contractor—James Romano.

Filed Sept. 24, '19. Dated Sept. 24, '19.  
1st & 3d Saturday of ea. month 75%

Usual 35 days..... 25%

TOTAL COST, \$3900

Bond, none. Limit 45 days. Forfeit,  
none. Plans and specifications filed.

## PARTITIONS

LOTS 1, 2, 3, Blk 62, Fresno. Parti-  
tions in building.

Owner—Radin & Kamp, 1931-7 Tulare,  
Fresno.

Architect—None.

Day's work.

COST, \$1500

## REMOVE PARTITIONS

NO. 1158 "H" ST., Fresno. Remove  
partitions.

Owner—Lauritzen Implement Co.,  
Premises.

Architect—None.

Contractor—E. Riggins, \$17 Mason  
Bldg., Fresno, Cal.

COST, \$8000

## DWELLING AND GARAGE

NORTH PARK TERRACE, lots 3, 4,  
Blk. 17, Fresno. Frame dwelling and  
garage.

Owner—Chess & Peterson, Fresno, Cal.

Architect—None.

Day's work.

COST, \$8000

## DWELLING.

EAST ELM, Fresno. Frame dwelling.  
Owner—M. W. Pearce, 1403 San Pablo,  
Fresno.

Architect—None.

Day's work.

COST, \$3500

**DWELLING AND GARAGE**

LOTS 1, 2, Blk. 1, Central Park, Fresno. Frame dwelling and garage. Owner—Mrs. M. Story, 907 Wilson, Fresno, Cal. Architect—None. Day's work. COST, \$3350

**DWELLING AND GARAGE**

LOTS 13, 14, Blk. 2, Allen & Binford Tract, Fresno. Frame dwelling and garage. Owner—Walter C. Smith, Fresno, Cal. Architect—None. Contractor—G. H. Stivers, 1600 Poplar, Fresno, Cal. COST, \$4000

**DWELLING**

LOTS 20, 21, Blk. 4, Belmont Add, Fresno. Frame dwelling. Owner—Mrs. M. P. Bradford. Architect—None. Contractor—C. P. Cain, 709 Mildreda, Fresno. COST, \$4000

**DWELLING AND GARAGE**

LOTS 18, 19, Blk. 8, College Add, Fresno. Frame dwelling and garage. Owner—W. G. Tufts. Architect—None. Contractor—G. H. Stivers, 1600 Poplar, Fresno. COST, \$5500

**DEMOLISH BUILDING**

LOTS 1, 2, Blk. 71, Fresno. Demolish building. Owner—A. Mattel, 2202 "I" St., Fresno. Architect—None. Contractor—United Wrecking Co. COST, \$1675

**COMPLETION NOTICE.****Fresno County.**

Recorded Accepted  
Sept. 22, 1919—S ¼, SE ¼, SEC. 1,  
15-19, Fresno. Douglas W. Uridge  
to whom it may concern.....  
Recorded Accepted  
Sept. 23, 1919—E 50 of LOT 10 BLK  
9, Wilson North Fresno Tract,  
John J. Weyland to whom it  
may concern.....Sept. 23, 1919

**LIENS FILED.****Fresno County.**

Recorded Amount  
Sept. —, 1919—LOTS 9 AND 10 BLK  
1, Aten Addition, Fowler, Fresno  
Planning Mill vs W G Williams. \$748

**HIGHWAY TO RENO PLANNED BY STATE.**

AUBURN, Cal.—A cement highway over the Sierra Nevada mountains from the western terminus here of the present paved highway to Reno within a few years, was promised by George W. Mansfield, a member of the California State Highway Commission, and W. B. Alexander, Highway Commissioner from the State of Nevada.

Alexander stated that the road from Reno to the California line would be completed during the year 1920. Mansfield was unable to specify any time for starting construction on the California end, saying it depended on exigencies of bond selling and ability to award contracts.

The route will probably closely parallel the old Central Pacific railway, the first transcontinental line to be

built, and will cross the summit at an elevation of 7,118 feet. It is expected that much of the way the cost will be in excess of \$20,000 per mile. The distance from Auburn to Reno is 105 miles.

The California highway commission has directed that surveys be made and specifications drawn at once for a highway from Auburn to the Nevada line. Similar preliminaries have already been accomplished by Nevada authorities for the part of the road lying within that state.

An Englishman is the inventor of a magnifying glass to be fastened to a pencil or engraving tool to help a draftsman or engraver.

**STATE CORPORATION DEPARTMENT.**

SACRAMENTO, Cal.—Commissioner of Corporations E. C. Bellows has issued a report from which may be gathered the enormous volume of business being transacted in California in the sale and issue of corporate securities. In the report it is shown that, from September 1, 1918, to April 1, 1919—a period of several months—permission has been granted to corporations to sell and issue a total of over \$11,000,000 worth of stocks, bonds and other securities.

In the same period, applications were filed by corporations for permission to sell and issue over \$126,000,000 worth of securities showing that investigation and examination in the Corporation Department resulted in the elimination of some \$15,000,000 worth of securities from the total applied for.

During the same period the department authorized the distribution of assets to the amount of over \$4,900,000.

The receipts of the department, arising from the fees imposed by law,

**A MIXER EVERY FOUR DAYS.**

A unique record was made by Lansing Company, in disposing of four large Concrete Mixers in the first sixteen days of July. Each machine went to a different customer.

I. O. Frnsborger, manager of the San Francisco branch, is wearing a

have increased from \$3,869.25, in September, 1918, to \$8,135.76 in May, 1919, while, during the same period, disbursements for all expenses pertaining to this department decreased from \$5,029 in September, 1918, to \$3,671.50 in May, 1919.

The total receipts for this period of nine months exceeded the total disbursements by \$14,217.04. The department, therefore, is not costing the tax-payers one cent for its conduct, but has accumulated a reserve to tide over any emergency which might arise, or defray the cost of employing more assistants as the increase of business demand.

The benefits to the individuals, who have been saved from unprofitable investments, and to legitimate business, which has profited from capital that might otherwise have been dissipated, cannot be known, but is undoubtedly very great. Best of all, it is a means of retaining to the industrious and thrifty the fruits of their labor and self-denial.

**THE POSSIBILITIES OF PEAT.**

The Commercial Museum of Philadelphia has been holding a large exhibition to illustrate the possibilities in the utilization of peat. There are about 11,188 square miles of peat bog in the United States, capable of producing more than 12,000,000,000 tons of fuel. The exhibit shows how, apart from its use as fuel, peat may be spun into yarn, made into paper, used for packing, etc. It is valuable as a preservative, as it contains large amounts of humic acid. Ground up peat may also be used as a filler for fertilizer, making possible the use of slaughterhouse waste for this purpose; also as a filler for stock feed, such as molasses. Its manufactured product include insulations, sound-proof boards, paving stones, and alcohol.—Scientific American.

ciated by everyone using these machines.

"Having to supply six other branch houses, besides ourselves, taxes both our factories to the utmost, but before long we expect they will be making regular weekly shipments of Concrete Machinery — and goodness knows, we need them."



justly broad smile these days, as is the sales force of this progressive firm. When interviewed, he stated: "The new models being turned out by our factory today, are, I sincerely believe, the very last word in high class mixer construction. The same 'Lansing Quality' is in them, plus decided improvements that are appre-

Lansing Company manufactures seven sizes, ranging from a 5-foot up to the "15 footers," and they equip all of their mixers with the reliable Ideal engine. Hoists, Concrete Carts, Wheelbarrows and Mortar Mixers are also manufactured by them and these they also carry in stock in San Francisco at 338 Brannan street.

Jos. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marquises  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock Doors, Lash Frames and Mouldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member

Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASS-WOOD-BIRCH  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
OREGON MAPLE-PLAIN OAK  
QUARTERED OAK  
WYBROOK BERING OAK  
POPLAR-WALNUT



BURRWOOD-EBONY-IRONBARK  
JENISERO-KOL-SPANISH CEDAR  
LIGNUMVITAE-MAHOOGANY  
ROSEWOOD-TEAK-RED BEAN  
SPITEE-SUN-TRACIA-WHITE  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO FINGERED PANELS  
CORBELS-TREMAILS-VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUIT Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

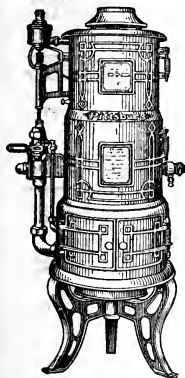
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., October 8, 1919

Published Every Wednesday  
Nineteenth Year, No. 41



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill. ....	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago .....	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago .....	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago.....	TREASURER
C. E. DRAYER .....	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng., Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry., Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co. ....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co. ....	THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles.....	W. P. R. R.
F. Johnston.....	Union Const. Co.
L. D. Howland.....	C. C. Moore Co.
I. G. Grundel.....	Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown.....	S. P. R. R.
E. B. Crane.....	C. M. & P. S. Ry.
F. J. Rowell.....	I. C. C.

### COMPENSATION COMMITTEE

G. M. Nelson.....	Consulting Eng.
E. V. Vandercook.....	S. P. R. R.
W. T. Cleland.....	Chief Dep. Sur. Santa Clara Co.
V. D. Cousins.....	P. T. & T. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp.....	S. P. R. R.
J. Amweg.....	Consulting Eng.

### MEMBERSHIP COMMITTEE

D. L. Reynolds.....	Pac. Fruit Ex. Co.
J. Amweg.....	Consulting Eng.
W. H. Rupp.....	S. P. R. R.
E. D. Brown.....	Redwood Mfrs. Co.
Clarence D. Stone.....	S. P. Co.
A. B. Hartley.....	S. P. Co.
H. W. Shrieber.....	City of Oakland
F. E. Geibel.....	S. P. Co.
C. B. Newberry.....	Inter. Com. Com.
J. F. Johnston.....	Union Const. Co.
E. V. Vandercook.....	S. P. Co.

### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.
W. S. Wollner.....	N. W. P. Co.

### QUALIFICATION COMMITTEE

W. H. Phelps.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.

### PUBLICITY COMMITTEE

E. D. Brown.....	Redwood Mfrs. Co.
G. M. Nelson.....	Consulting Eng.

### POLITICAL COMMITTEE

E. H. Herbert.....	Oliver Mfg. Co.
--------------------	-----------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHAPTERS & CLUBS:

### SACRAMENTO CHAPTER

Lathrop, H. A.....	Secretary
1321 Thirty-third St.,	
Sacramento - - -	California

### LOS ANGELES CHAPTER

Harris, A. L.....	Secretary
1104 Central Building	
Los Angeles - - -	California

### PORTLAND CHAPTER

Barnes, R. W.....	Sec. & Treas.
36 Union Station	
Portland - - -	Oregon

### FRESNO CHAPTER

Jean L. Vincenz.....	Secretary
P. O. Box 922	
Fresno - - -	California

### SAN DIEGO CHAPTER

Grumm, Fred.....	Secretary
2898 Spruce Street	
San Diego - - -	California

### SAN BERNARDINO CLUB

Woods, M. A.....	Secretary
608 Tenth Street	
San Bernardino - -	California

### EUREKA CLUB

Howard, F. W.....	Secretary
Eureka - - -	California

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
500 Mission Street.  
Telephone—Douglas 2372.

J. P. FAIRRELL.....Exchange Editor

# American Association of Engineers

## THE CALL TO UNITY OF THE PROFESSION.

Unity of the engineering profession used to be desirable. Now it is a necessity, not only that the profession may retain its identity, but that it also may take the place in society which we think it should occupy. Unity can be accomplished, and that quickly, if we will but thoughtfully face the facts before us.

The engineering profession today faces the danger of being submerged in the controversy between capital and labor. In its position between capital and labor the profession should be represented as a matter of course at the White House Conference in October. Any invitation that may be received will come, however, only on request, and the engineer who attends will be regarded only as an onlooker. We can have a voice and be heard only by presenting a united front.

We say the engineer won the war. To must he win the battles of peace and take his part in the industrial readjustments where now justice, liberty and patriotism are swept aside in the struggle between capital and labor. As it is, organized labor seeks to divide the profession into the employer and employee classes. No calamity greater than this could befall the profession except to have it owned and at the behest of capital. The engineer's place has aptly been characterized as the third leg of the tripod on which modern industrial civilization rests. He belongs neither to capital nor to labor, but uses each for the accomplishing the greatest production for the happiness of mankind.

If he uses capital and labor to produce for the enjoyment of all men, why should he not plead the case of the neglected major third party, the public, in the struggles climaxing in the steel strike.

It can be done. Unity is close at hand.

The following resolution has been drafted for presentation to the Board of Directors of the American Association of Engineers at its meeting on October 11:

Resolved, That the Board of Directors of the American Association of Engineers call a conference of representatives of all organizations or societies of engineers, architects and similarly educated or experienced technical men, for the purpose of strengthening the position of engineers and technical men as a group distinct from labor and from capital,

but essential to both and to society in general, because of the fact that stability of the social structure resting on the tripod of labor, capital and engineering, is dependent upon the strength of this third support.

## NEWS FROM NATIONAL HEAD-QUARTERS.

The Committee of the American Association of Engineers on Salaries of Engineers in Public Service invites discussion of the schedule for engineers in state highway service before presenting it to the Association for final adoption.

In appointing the committee last June, the Board of Directors gave it authority to add to its personnel, with the approval of the President, representatives of the several branches of public service engineers in order that the schedules as finally adopted should be not only harmonious with reference to each other, but that they should be generally accepted as stating the value of engineering service to the public, hence what it should pay for such service. In discussing the schedules sent out from time to time engineers should therefore bear in mind that the endeavor of the committee is not to standardize and classify engineering service, but to price this service.

It is to be realized that the accompanying schedule is not an outline of organization. But in order that each state organization may readily place each person within it, it has been thought best to enumerate in considerable detail the description of the various positions even at the expense of some apparent repetition. The grouping of the various positions is clear from the captions.

Kindly acquaint all highway engineers with the schedule. It is suggested that at state capitals or other headquarters a meeting be held of the highway engineers of the department.

Discussion of this schedule is particularly invited from the younger engineers of the department.

In order that the schedule for highway engineers may be formally adopted in time for inclusion in budgets for the coming year, it is necessary that any comments or suggestions be received by the committee not later October 15.

A. N. JOHNSON,  
Chairman Committee on Salaries of Engineers in Public Service, American Association of Engineers.

## PROPOSED SCHEDULE OF SALARIES FOR ENGINEERS IN STATE HIGHWAY SERVICE. Administrative and Executive Positions.

Chief Engineer—In charge of all construction and maintenance work of the department, acting as chief executive officer, \$8,000 to \$15,000.

Engineer of Construction—In immediate charge of all construction work from time contracts are let. Assigned to state headquarters, \$6,000 to \$10,000.

Engineer of Maintenance—In charge of all maintenance work. Assigned to state headquarters, \$6,000 to \$10,000.

Engineer of Bridges—In charge of preparation of specifications and designs for bridges, and in charge of construction of special bridges. Assigned to state headquarters, \$5,000 to \$8,000.

Office Engineer—In charge of preparation of plans and specifications for all construction work up to the point of letting contracts. Assigned to state headquarters, \$5,000 to \$8,000.

Engineer of Tests—In general charge of laboratory routine tests, investigations, material surveys and field inspection of materials, \$4,000 to \$7,000.

District Engineer—In charge of all construction and maintenance work in a division or district of the state, generally including a number of counties. Assigned to division headquarters, \$5,000 to \$8,000.

## Engineering Positions Involving Some Administrative Duties in the Higher Grades.

Advisory and Consulting Engineer to the Chief Engineer, \$5,000 to \$10,000.

First Assistant Engineer, assigned to Construction Engineer at state headquarters. In general charge of office work in connection with execution of contracts, \$3,600 to \$5,000.

First Assistant Engineer, assigned to the Chief Engineer, \$5,000 to \$10,000. Headquarters. In general charge of office work in connection with maintenance, \$3,600 to \$5,000.

First Assistant Bridge Engineer, assigned to Engineer of Bridges at state headquarters. In charge of bridge drafting room and responsible for bridge specifications and bridge designs, \$3,600 to \$5,000.

First Assistant Engineer, assigned to Division Headquarters. In general charge of division headquarters office, \$3,600 to \$5,000.

Assistant Engineers, assigned to Construction Engineer at state headquarters. Duties as assigned, \$2,400 to \$4,000.

Assistant Engineers, assigned to Maintenance Engineer at state headquarters. Duties as assigned, \$2,000 to \$4,000.

Assistant Engineers, assigned to Bridge Engineer at state headquarters. Acting as especially skilled draftsmen, designers and computers. \$2,400 to \$4,000.

Assistant Engineers, assigned to Office Engineer at state headquarters. Preparing and checking specifications and plans as received from division offices. Work as assigned, \$2,400 to \$4,000.

Chief Chemist, assigned to Engineer of Tests at state headquarters. In charge of the chemical work of the laboratory, \$3,500 to \$6,000.

Assistant Engineers, assigned to division headquarters. Some in charge of construction, others in charge of maintenance, both field and office work as assigned, \$2,400 to \$4,000.

Assistant Engineers, assigned to laboratory work. Tests and investigations in laboratory, field examinations and reports on sources of materials as assigned, \$2,400 to \$4,000.

Assistant Chemists, assigned to laboratory, \$2,000 to \$4,000.

Chief Draftsmen, assigned to division headquarters. In charge of division headquarters drafting room and the preparation of plans, \$2,400 to \$4,000.

Chiefs of Survey Parties—In charge of surveys and relocations; during time spent in office, work on plans and computations as assigned, \$2,400 to \$4,000.

#### Inspectional Service.

Confidential Inspectors, assigned to Chief Engineer. Report only to Chief Engineer on work of all character wherever it may be. Positions of peculiar responsibilities, represent the chief engineer, \$4,000 to \$5,000.

General Inspectors of Maintenance, assigned to state headquarters, \$2,400 to \$4,000.

Inspectors of Bridge Construction, assigned to Bridge Engineer at state headquarters. Inspecting construction of the larger bridges only. Work inside on bridge plans and design as assigned, \$2,400 to \$4,000.

Field Inspector of Materials, assigned to Engineer of Tests at state headquarters. Inspection of materials in the field and at points of manufacture, \$2,400 to \$4,000.

Inspectors of Construction, assigned to Division Engineers at division headquarters. Inspect construction, reporting to division engineers, or a number of inspectors may be under immediate charge of some assistant engineer to whom they make immediate reports, \$2,400 to \$3,000.

If inspectors are employed during working season only to receive per month, \$250 to \$300.

Inspectors working the year around are at division offices during winter on plans, estimates and computations, as assigned.

#### Junior Engineering Positions Concerned with Routine Work Only.

Engineering draftsmen, computers, checkers, estimators, assigned to state headquarters, \$1,800 to \$2,400.

Tracers, computers, checkers, assigned to bridge engineer, \$1,800 to \$2,400.

Engineer draftsmen, assigned to division headquarters. Preparation of

plans, computations, estimates, checking, \$1,800 to \$2,400.

Instrument men, \$1,800 to \$2,400.

Transitmen and levelers. Those employed the year around work inside division offices part of time on plans, computations and estimates. If employed by month during construction season only they should receive, per month, \$200 to \$250.

Rodmen and chainmen, \$1,200 to \$1,500.

Laboratory Assistants — Routine testing, laboratory records, \$1,800 to \$2,400.

All engineers working away from state or division headquarters to which they may be assigned are to receive traveling and subsistence expenses.

#### FRESNO COUNTY ROAD ACTIVITIES

Fresno County is advertising eight contracts for bids on its highway system under the recent bond issue of \$4,800,000. These contracts will aggregate about 50 miles and are the first group to be constructed under this bond issue.

Bids on one or more of four specifications are asked on seven of the contracts as follows:

1. A 1:3:6 concrete mix, without wearing surface.

2. A 1:2:4 concrete mix, belted surface.

3. A 1:3:6 concrete base, with asphalt concrete wearing surface.

4. A 1:3:6 concrete base, with 1½-inch bitulithic wearing surface.

On the other contracts, five miles in length, bids are asked one or both specifications, as follows:

1. A 5-inch asphalt concrete pavement.

2. An asphalt concrete pavement with a bitulithic wearing surface.

This group will be 16 feet wide with a 5-inch base and a 1½-inch wearing surface, and radiate from Fresno City. Bids will be received on the above until October 17th by the Board of Supervisors of the county. Bids will be asked for on the remaining mileage as rapidly as plans and specifications are completed.

Mr. Chris P. Jensen, County Surveyor, is Chief Engineer in charge of this work, with Mr. Dan W. Chamberlin, formerly with the California State Highway Commission, as his assistant.

J. L. VINCENZ,

Sec. Fresno Chapter, A. E.  
P. O. Box 922, Fresno, Calif.

#### HIGHWAY MAINTENANCE.

By G. M. N.

#### III.

The biggest users of motor trucks in the world are the American farmers, with 79,789 motor trucks in operation. Manufacturers come second with 75,978, and retailers third with 74,486.

These figures are taken from reliable statistics for the year 1917. Estimates for 1918 show a tremendous increase in the number of motor trucks in use; but with the farmer still in the lead.

It is estimated that during 1918 approximately 350,000,000 tons of farm products were hauled to market in motor trucks by the farmers and gardeners of the United States.

The actual operating figures averaged for the United States show that

motor truck transportation is twice as cheap as horse-drawn transportation.

The motor truck handles life's necessities.

Much of this 350,000,000 tons of food products hauled from the farm to the city by motor trucks was of a perishable nature, and hundreds of thousands of tons of it would have been lost but for the rapid transportation possible with the motor truck.

The present-day rural motor express does six important things. They are: Getting to market supplies of food hitherto unavailable because of the distance between producer and the market, and lack of other transportation.

Believing railroads of short and unprofitable hauls.

Encouraging business between farmers and merchants by increasing the earnings of the farmer and improving his purchasing power.

Decreasing dissatisfaction on the part of farmers and farm hands by providing increased facilities and comfort.

Transporting produce to the consumer more quickly and in better condition than ever before.

Maintaining men on the farms and in producing work by others who now spend a great part of their time driving to market.

Of all vehicles using our highways the motor truck probably causes the least damage in proportion to the service it renders.

A consideration of the figures and facts about truck transportation as elucidated above cannot but convince any thinking citizen and taxpayer that our roads should be built to stand up under this kind of traffic and not merely be able to withstand pleasure cars and go-carts. On pages 60 and 61 of First Biennial Report of the California Highway Commission appears extracts and pictures from a report of the division engineer of Division Three, showing damage done to the state highway by the hauling of the rice crop to the warehouses by motor trucks. The report goes on to say: "The foregoing is an illustration of perhaps an extreme case of the ~~aid~~ use of the highway, but the overloading of trucks in general throughout the state is an evil which must be reckoned with."

"If such excessive loads are to be permitted the state must spend much money to ~~strengthen~~ the roads, but why should such selfishness be permitted? Why should not the reasonable provisions of the Vehicle Act be enforced?" The paragraph cited above shows a rather one-sided view of the situation and a lack of understanding the necessities and vicissitudes of the rice industry. If the Highway Official had considered in earnest the traffic that was likely to be imposed on our highways together with all the possible local hazards, the ignominious 4-inch slab would not have been adopted as the standard for any roads except those over which nobody but the sightseer and pleasure seeker would be likely to travel. The rice industry is worth per year to the inhabitants of California some 10 million dollars, and is certainly worthy of more consideration than some police regulations forbidding loads that can be hauled from being hauled. The all important question with rice—when harvested—is to

**SANTA BARBARA COUNTY.**

Surveyor .....per year, \$1500  
 receives necessary cost of transportation to and from,  
 and necessary expenses in the field while engaged on pub-  
 lic work, and actual cost of platting, tracing or preparing  
 maps, plats or block books when ordered by the Assessor.

**SANTA CRUZ COUNTY.**

Surveyor .....Fees

**SHASTA COUNTY.**

Surveyor .....per diem, \$10  
 (and fees).

Allowed all necessary expenses and transportation for  
 work performed in the field.

**SIERRA COUNTY.**

Surveyor .....Fees

**SISKIYOU COUNTY.**

Surveyor .....Fees

**SOLANO COUNTY.**

Surveyor .....per day, \$10  
 (When actually employed).

Allowed all necessary expenses such as transportation and  
 pay of help which may be necessary for performance of  
 county duties.

**SONOMA COUNTY.**

Surveyor .....per year, \$1800  
 (and fees).

1 Deputy .....per year, 900

Allowed necessary and actual traveling expenses. Fee,  
 \$10 per day fees for land surveys except when done for  
 county.

**STANISLAUS COUNTY.**

Surveyor .....per year, \$3000

2 Deputies

Allowed actual traveling and other necessary expenses  
 incurred in field work. He shall be allowed additional  
 assistance by the Supervisors when necessary in making  
 county and road maps, and all necessary plans and specifi-  
 cations for bridge and county buildings other than with  
 regard to roads, as necessary actual expense.

**SUTTER COUNTY.**

Surveyor .....per year, \$900

**TEHAMA COUNTY.**

Surveyor .....per year, \$1500

Allowed actual expenses in the performance of any order  
 of Court or Supervisors. Also allowed actual cost of pre-  
 paring maps, plats or block books for Assessor when or-  
 dered by Supervisors.

**TRINITY COUNTY.**

Surveyor .....Fees

**TULARE COUNTY.**

Surveyor .....per year, \$2000

1 Deputy .....per year, 1200

Allowed \$720 per annum for chainmen, traveling and field  
 expenses for self and chainmen or assistants in the field.

\*\*\*\*\*  
 get it into the warehouses as quick as  
 possible before the rain catches the  
 farmer with thirty or forty thousand  
 sacks stacked at the roadside, a delay  
 then may mean ruin of the whole crop  
 because the roads are unfit to carry  
 the loads that must of necessity be  
 imposed on them.

The soil in the rice section is of a  
 character that requires a different  
 treatment when building the subgrade  
 and base of a highway from the one  
 which it has gotten up to date. Fif-  
 teen years ago we required in our spec-  
 ifications for four-inch concrete  
 sidewalks that wherever dobe soil was  
 encountered the contractor should ex-  
 cavate said dobe from 2 to 6 inches and  
 replace the same with sand or gravel  
 so as to prevent the swelling of the  
 dobe from pulling the concrete all to  
 pieces. What should be done to the  
 subgrade when it is of the kind of  
 soil prevailing in the rice sections? It  
 should receive heroic treatment, for  
 the traffic closely resembles the traffic  
 on Fifth avenue, New York. That it is  
 not only the "Selfish Truckman" that  
 wants to pile all he can on the truck is  
 easily seen from the following extract  
 from the San Francisco daily press:

"Before the city of Bakersfield pur-  
 chased a Service motor truck for gen-  
 eral use in municipal work of an ex-  
 ceedingly heavy character the Board  
 of Supervisors of the big oil center is  
 said to have demanded and was given  
 one of the most convincing demon-  
 strations ever staged for a like pur-  
 pose.

"Confronting the municipality was  
 the common problem with all growing  
 communities, that of hauling road  
 building materials. Frank E. Norman,  
 Western representative of the Service  
 Motor Truck Company, with headquar-  
 ters at the Peacock Motor Sales Com-  
 pany, Service director, staged the dem-  
 onstration which resulted in the sale  
 of a five-ton dump truck.

"Loading the truck with 175 sacks of  
 cement, each sack weighing ninety-six  
 pounds, the truck started from the  
 freight sheds to a distant point in the  
 city where street work was under way.  
 When the truck, with its load of 16,800  
 pounds of cement, had traveled a dis-  
 tance of over two blocks it overtook  
 two horse-drawn wagons, each haul-  
 ing two cubic yards of fine gravel and  
 bound for the same point as the truck.

"While the weight of each wagon

**TULUMNE COUNTY.**

Surveyor .....Fees

**VENTURA COUNTY.**

Surveyor .....per year, \$2500

Deputies as many as necessary.

Allowed necessary expenses and transportation for work  
 performed in the field, and necessary expenses for search-  
 ing record and compiling Assessor's maps.  
 Supervisors may allow additional help when they deem  
 necessary.

**YOLO COUNTY.**

Surveyor .....per year, \$1500

Allowed transportation for field work. Not required to  
 perform county work more than two-thirds of the work-  
 ing days in any month except on payment of fees allowed  
 by law.

**YUBA COUNTY.**

Surveyor .....per year, \$1200

Allowed actual traveling expenses and other necessary  
 expenses incurred by him while engaged in work for the  
 county.

September 26, 1919.

Mr. George M. Nelson, C. E.,  
 Consulting Engineer,  
 402 Wells Fargo Express Bldg.,  
 San Francisco, California.

Dear Sir: I am enclosing herewith a list of the em-  
 ployees of the Board of State Harbor Commissioners with  
 their salaries. Very truly,

FRANK G. WHITE,  
 Chief Engineer.

Chief Engineer .....	\$5000
Assistant Engineer .....	3600
Testing Engineer .....	2700
Office Engineer .....	2400
Designing Engineer .....	2700
1 Structural Engineer (Design) .....	2460
4 Structural Engineers (Design) .....	2400
1 Architectural Engineer (Design) .....	2400
1 Structural Engineer (Design) .....	2280
1 Mechanical Engineer (Design) .....	2280
9 Draftsmen .....	2100
1 Assistant Testing Engineer .....	2100
4 Construction Engineers .....	2400
7 Inspectors .....	2100
1 Transmittan .....	2220
2 Transmittan .....	1860
4 Chainmen .....	1500

Chief Engineer, appointive. All others, Civil Service.  
 All salaries per annum.

\*\*\*\*\*  
 was approximately three tons, Norman  
 proposed that the horses drawing them  
 should be unhitched, the wagons  
 coupled to the truck and the task of  
 hauling the entire load be imposed  
 upon the truck. The Supervisors im-  
 mediately consented and the wagons  
 and truck coupled up. The truck went  
 blithely on its way, although it was  
 hauling a load in excess of fourteen  
 and one-half tons.

"The demonstration made by the  
 Service truck for the City Fathers of  
 Bakersfield was one of the most severe  
 that I have given the truck," said  
 Norman, "but it certainly was worth  
 it."

Shades of the four-inch concrete  
 slab, the City Fathers of Bakersfield  
 countenancing such a performance.

**LEE NAMED EXECUTIVE OF STATE WATER BOARD.**

Governor Stephens announced that  
 he would appoint October 1 Captain  
 Charles S. Lee, formerly of Los An-  
 geles and now of Berkeley, executive  
 member of the State Water Commis-  
 sion to succeed A. E. Chandler, re-  
 signed  
 for

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

Plans Being Completed.

APARTMENT HOUSE Cost, \$11,500  
FRESNO, Fresno Co., Cal. "F" and  
Fourthcamp Streets.

Apartment house.

Owner—Mrs. Emma L. White, Fresno.  
Architects—Glass & Butner, Hearst  
Bldg., San Francisco, and Cory  
Bldg., Fresno.

Plans to be Prepared.

APARTMENTS Cost, \$—  
PETALUMA, Sonoma Co., Cal. Sites  
Under Consideration.

Two modern apartment houses.

Owner—Housing Committee of the  
Petaluma Chamber of Commerce  
composed of V. C. Mattel, Murray  
Herriman and H. P. Vogensen.  
Architect—Not Yet Selected.

Preliminary Plans Complete.

APARTMENTS Cost, \$750,000  
FRESNO, Fresno Co., Cal. Exact Lo-  
cation Withheld.

Three fireproof apartment houses.

Owner—Withheld.

Architects—Glass & Butner, Hearst  
Bldg., San Francisco, and Cory  
Bldg., Fresno.

Working plans for two structures  
have been completed. Preliminary  
sketches for the third are now being  
prepared.

Contract Awarded.

APARTMENTS Cost, \$35,000  
NAPA, Napa Co., Cal. Third and Ran-  
dolph Streets.

Apartment building.

Owner—Russ Conner and Wife, Napa.  
Architect—Not Given.

Contractor—Mt. Diablo Building &  
Realty Co., Care Napa Water Co.,  
Napa, Cal.

Ready for Figures Next Week.

ADDITION Cost, \$15,000  
SAN FRANCISCO. NW Ellis and  
Jones Streets.

One-story brick addition to five-story  
brick apartments.

Owner—Dr. L. C. Mendell, 415 Jones  
St., San Francisco.

Architect—Miss Grace Jewett, Room  
814, 57 Post St., San Francisco.

Miss Jewett will be ready to take  
figures after Monday, October 6th.  
Contractors need not call before then  
as plans will not be ready. Separate  
figures will be taken on plumbing,  
electric work and heating.

Segregated Figures Being Taken.

APARTMENTS Cost, \$45,000  
SAN FRANCISCO. O'Farrell Street  
near Jones.

Five-story reinforced concrete apart-  
ment house 28 2-room apartments.

Owner—Frank S. Kelly.  
Architect—W. G. Hind. Phelan Bldg.,  
San Francisco.

YERRINGTON, Nevada.—A bond is-  
sue providing \$918,500 to provide a  
storage reservoir and irrigation sys-  
tem comprising 150,000 acres has been  
voted by the Walker River Irriga-  
tion District.

Plans to be Prepared. Construction  
Will be Started About First of the  
Year.

APARTMENTS Cost, \$75,000  
FRESNO, Fresno Co., Cal. "J" and  
Sacramento Streets.

Fireproof apartment house, site 100x  
150.

Owner—Mrs. A. C. Mills, 106 Fresno  
St., Fresno.

### BANKS

Contract Awarded.

BANK, ETC. Cost, \$—  
TACOMA, Wash. Eleventh and Pacific  
Streets.

Fifteen-story and basement fireproof  
bank, store and office building.

Owner—Scandinavian-American Bank,  
Tacoma, Wash.

Architect—Fred Weber, Philadelphia,  
Pennsylvania.

Contractor—The Black Masonry Con-  
struction Co., St. Louis.

SAN FRANCISCO.—The Golden Gate  
Iron Works, 1541 Howard Street, has  
been awarded the contract for the  
structural steel for the new six-story  
Class "A" bank and office building for  
the Bank of Italy to be erected at the  
NW corner of Eddy and Powell streets.  
Bliss & Paville, Balboa Bldg., are the  
architects. Wrecking of the present  
building will be started October 3rd.  
Figures will be taken on the balance  
of work as construction pro-  
gresses.

Contract Awarded.

ADDITION Cost, \$38,450  
SANGER, Fresno Co., Cal.  
Brick and hollow tile band addition,  
47x77.

Owner—The First National Bank, W.  
D. Mitchell, President, Sanger.

Architect & Contractor—Anton John-  
son, Kingsburg, Cal.

Contract price does not include fix-  
tures.

Excavation and Foundation Contract  
Awarded.

EXCAVATION, ETC. Cost, \$—  
SAN FRANCISCO. NW Eddy and  
Powell Streets.

Excavation, and concrete foundation  
for a six-story Class "A" bank and  
office building.

Owner—Bank of Italy.

Architects—Bliss & Paville, Balboa  
Bldg., San Francisco.

Contractor—Duncanson-Harrelson Co.,  
Chronicle Bldg., San Francisco.

The three-story Techau Tavern  
building now on the site has been sold  
to the United Wrecking Co., 705 Bran-  
nan street.

### BONDS.

HAYWARD, Alameda Co., Cal.—The  
City Trustees have decided to submit  
a bond issue to the voters for \$35,000  
to finance construction of the follow-  
ing projects:

Municipal water plant, \$250,000; the  
building of a city hall on the plaza  
at a cost not to exceed \$45,000; the  
repair of the outlet sewer, \$25,000;  
and the acquiring of the park ground  
at the terminus of the electric road,  
\$15,000.

SACRAMENTO, Cal.—October 18th  
is the date set by the Sacramento  
Board of Education to vote bonds of  
\$3,304,000 with which to finance the  
construction of school improvements.

A complete list of the work planned  
under the proposed issue was published  
in these reports under date of August  
28th.

PETALUMA, Sonoma Co., Cal.—The  
Trustees of the Walker, Two Rock  
and Iowa School Districts have or-  
ganized and are planning a bond elec-  
tion to erect a new union high school  
building.

RICHMOND, Contra Costa Co., Cal.—  
The City Council has set November 4th  
as the date to decide the question of  
issuing bonds of \$400,000 with which  
to finance construction of harbor im-  
provements.

LODI, San Joaquin Co., Cal.—Prin-  
cipal R. J. Custer of the City Gram-  
mar School have recommended the  
erection of a new school building, the  
present structures being inadequate.  
A building costing \$60,000 is asked,  
the funds to be raised by a bond issue.

WINTERS, Yolo Co., Cal.—The City  
Attorney has been instructed to pre-  
pare proceedings for an election to  
vote bonds of \$50,000 with which to  
finance construction of a new grammar  
school building.

MODESTO, Stanislaus Co., Cal.—Bids  
will be received by County Clerk H.  
Benson up to October 14th, for the  
purchase of the \$11,000 bond issue of  
the Mitchell School District, the pro-  
ceeds of the sale to finance construc-  
tion of a new school building.

COLUSA, Colusa Co., Cal.—The City  
Trustees have sold the \$20,000 bond  
issue to finance the construction of a  
municipal bath house from plans pre-  
pared by Architect Edwin J. Symmes,  
1700 Pearl St., Alameda.

CHICO, Butte Co., Cal.—October 18th  
is the date set by the Board of Edu-  
cation to vote bonds of \$450,000 with  
which to finance construction of a new  
high school building.

Plans for the structure have been  
prepared by Architects Woollett &  
Lamb, Physicians Bldg., Sacramento.

and provide for a reinforced concrete building, two stories in height, containing about thirty-five rooms and auditorium.

**BISHOP, Inyo Co., Cal.**—Bishop Union High School District, Inyo Co., will vote October 15, on issuing \$150,000 bonds for new high school buildings. The trustees are: Ada E. Stofflet, Lida A. Leichman, W. A. Cashbaugh, P. E. Keough and Thomas Williams. W. H. Weeks Jr., 75 Post St., San Francisco, will be the architect.

**MARYSVILLE, Yuba Co., Cal.**—October 30th is the date set by the Board of Education to vote bonds of \$250,000 with which to finance construction of a new high school building.

Architect W. H. Weeks, 75 Post St., San Francisco, has been selected to design plans for the building.

**PHOENIX, Ariz.**—The Salt River Valley Water Users' Association will vote October 23, on the question of spending \$600,000 to build a 5000 kilowatt steam power plant to supplement the hydraulic power plants operated by the association, also on the question of the association engaging in drainage operations and spending \$75,000 a year for drainage work.

**SAN LUIS OBISPO, San Luis Obispo Co., Cal.**—The \$1,420,000 bond issue for good roads throughout the county was defeated at an election held here recently as was the proposition to bond for \$80,000 with which to purchase a courthouse site.

**CHICO, Butte Co., Cal.**—The Bidwell Park Commissioners have asked the City Trustees to provide \$12,000 in the budget for improvements at Bidwell Park.

It is proposed to construct a concrete dam across Chico Creek which flows through the park and to make a miniature lake for swimming and boating. Improvements of roads to the Five Mile Dam and a fencing plan by which the park will be enclosed for pasturage and preservation are the ambitions of the commissioners.

## CHURCHES

To be Done by Day Labor.

**CHURCH** Cost, \$25,000

**FOREST GROVE, Oregon.**

Brick church building, 71x71.

Owner—Congregational Church. Rev.

W. W. Blair, Pastor, Forest Grove.

Architect—E. E. McClaren, Lumber Exchange Bldg., Portland, Ore.

## FACTORIES & WAREHOUSES

Plans Being Completed.

**PRINTING PLANT** Cost, \$40,000

**FRESNO, Fresno Co., Cal.** Kern and

"L" Streets.

Fireproof printing plant, 80x140.

Owner—The Republican Printery, Fresno.

Architects—Glass & Butner, Hearst Bldg., San Francisco, and Cory Bldg., Fresno.

Contract Awarded.

**FACTORY** Cost, \$15,600  
**SAN FRANCISCO, NE Fifth and Folsom Streets.**

Two-story brick and reinforced concrete factory building.

Owner—Pacific Bag Co.  
Architect—S. Heiman, 57 Post St., San Francisco.

Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Plans to be Prepared.

**STORAGE PLANT** Cost, \$165,000  
**SALEM, Ore.**

Three-story fireproof cold storage plant.

Owner—Phez Co., Salem, Ore.

Architect—Not Yet Selected.

Plans Being Prepared.

**BUILDINGS** Cost, \$2,000,000 approximately.  
**AVON, Contra Costa Co., Cal.**

Group of reinforced concrete and brick buildings (refinery, tanks, pipe lines, etc.)

Owner—Associated Oil Co., Sharon Bldg., San Francisco.

Architect—Engineering & Construction Dept. of Owner (Mr. Jers in charge).

The construction of this addition to the company's present plant will take about a year to complete. Most of the work will be done by days labor and sub-contracts.

Contract Awarded.

**ADDITION** Cost, \$20,000  
**SAN FRANCISCO, E Second St. 127 S. Harrison.**

Two additional stories to brick loft building.

Owner—L. A. Giacobbi.

Architect—Edw. G. Bolles, 233 Post St., San Francisco.

Contractor—Peter Lechner, 447 2d St., San Francisco.

**MORENCI, Ariz.**—The Phelps-Dodge Corporation has definitely decided to build a new mill for the treatment of its Morenci ores. A concentrator of 2000 tons capacity is contemplated. A new five-compartment shaft will also be sunk. The corporation estimates it will be necessary to spend \$2,500,000 to \$3,000,000 to place its properties on an economical producing basis.

Plans Being Prepared.

**WAREHOUSE, ETC.** Cost, \$—  
**SEATTLE, Wash.** Lake Union Addition.

Piling pier (46,000 sq. ft.; 700 piles) heavy timber warehouse, 200x50 ft.

Owner—Lake Union Dock Co., Seattle.

Engineer—James E. Blackwell, 823

Seaboard Bldg., Seattle.

## FLATS

Plans Being Figured.

**FRAME FLATS** Cost, \$—  
**SAN FRANCISCO, S Green Street W of Powell Street.**

Two-story and basement frame (4 flats 2 4-room and 2 5-room flats).

Owner—Fred Marra.

Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Contract Awarded.

**FLATS.** Cost, \$60,000  
**LOS ANGELES, Cal.** NW Sixth and St. Andrews Boulevard.

Two-story frame and plaster flats (8 7-room flats, also two-story garage with 8 living rooms.)

Owner—Wm. Howe Phelps.  
Architect and Contractor—Chas. D. Wagner, 613 Ilaas Bldg., Los Angeles.

## GARAGES

Contract Awarded.

**GARAGE** Cost, \$—  
**OAKLAND, Alameda Co., Cal.** SE Webster and 23rd Sts.

Carpentry work and foundations for a one-story & mezzanine floor Class "C" garage.

Owner—H. A. Mitchell.

Architect—Reed & Corlett, Union Svgs. Bank Bldg., Oakland.

Contractor—Nelson & Forsyth, Union Svgs. Bank Bldg., Oakland.

Plans Being Prepared. Contract

Awarded.

**GARAGE** Cost, \$—  
**CROCKETT, Contra Costa Co., Cal.** on the State Highway.

One-story and basement concrete garage, 50x100.

Owner—Antonio Dowrelio, Crockett.

Architect and Contractor—A. H. Boucke, Crockett.

Plans Being Figured.

**GARAGE.** Cost, \$—  
**LOS BANOS, Merced Co., Cal.**

One-story reinforced concrete garage 150x50, with two-story annex, 30x50, for offices and apartment of 9 rooms.

Owner—Withheld.

Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Plans Being Prepared.

**GARAGE, ETC.** Cost, \$20,000  
**HAYWARD, Alameda Co., Cal.** SE "A" and Main Streets.

Two-story reinforced concrete garage and auto sales rooms (Chevrolet Agency.)

Owner—Mrs. Armstrong, Hayward.

Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Plans will be ready for figures in about a week.

## CITY GARAGE BIDS WANTED.

**SAN FRANCISCO.**—The Board of Public Works will receive bids up to October 15th for the construction of the garage building in connection with the heating and ventilating alterations for the Central Fire Alarm Station. The structure will cost \$3,000. Bond of \$1,500 required.

Plans may be had from the Bureau of Architecture, 2nd Floor, City Hall.

Sub-figures Being Taken.

**GARAGE, ETC.** Cost, \$10,000  
**SAN FRANCISCO, SE Jackson and Sansome Streets.**

One-story brick shop and garage, 46x137.

Owner—Bothin Real Estate Co.

Architect—J. A. Ettler, 604 Mission St., San Francisco.

## GOVERNMENT WORK AND SUPPLIES

**WASHINGTON, D. C.**—The opening date for the electrical lighting and power system for the structural shop at Mare Island has again been post-

poned. The new date being October 29th. Specification No. 3982.

WASHINGTON, D. C.—No bids were received by the Bureau of Yards and Docks, Navy Department, for the construction of an extension to Building No. 178 at the Puget Sound Navy Yard. The work is provided for under Specification No. 4009.

Navy Department, Office of the Chief of the Bureau of Yards and Docks, Washington, D. C.—Sealed proposals are wanted until October 15, 1919, specification 4033, for the completion of steel fuel oil tank at San Diego, Cal. For further information address the above office.

WASHINGTON, D. C.—The following bids were received on September 24 by the Chief of the Bureau of Yards and Docks, Navy Department, Specification 3837, for a reciprocating air compressor at the navy yard, Puget Sound, Washington:

Allis-Chalmers Mfg. Co., Milwaukee, Wis., item 1, \$56,900, shpt 150 days.  
Worthington Pump and Machinery Corporation, Homer Bldg., Washington, D. C., \$67,575, 250 days.  
Ingersoll-Rand Co., 11 Broadway, New York City, \$69,200, time 125 days; alternate bid, \$62,550.

STOCKTON, Cal.—The following bids were received September 26th by the Custodian at the U. S. Post Office at Stockton for the construction of an ornamental iron fence:

C. Frauneder, Oakland,.....\$ 485.00  
H. Hallensleben, San Francisco 912.00  
Builders Iron Works, Stockton 899.50  
West Coast Iron & Wire Works  
San Francisco ..... 1365.00  
Folsom Street Iron Works.... 1508.00

WASHINGTON, D. C.—Plans for various improvements are being completed in the offices of the Bureau of Yards and Docks, Navy Department, Washington, D. C., for Pacific Coast Navy Yards. A summary of the work planned in the immediate future and for which plans are now being completed follow:

Specification 4047—Central Building at San Diego for the Marine Corps Base.  
Specification 4039—Puget Sound storehouse for pyrotechnics.  
Specification 4024—Puget Sound Extension to Engine Room A.  
Specification 4018—Mare Island installation of 4,000 K-W turbo generator.  
Further mention of these projects will be made when same are ready for figures.

MARE ISLAND, Cal.—The following bids were received at Mare Island and Washington, D. C., on September 30th for the construction of a group of hospital buildings to be erected at Pearl Harbor, T. H. U. S. Naval Reservation, under Specification No. 3931. Bids were also received at The Naval Station, Pearl Harbor, and will be reported later:

C. L. Wold, 75 Sutter St., San Francisco (1) \$363,889; 270 days; (2) \$311,104; 270 days; (3) \$51,500; 270 days; (4) \$30,547; 270 days.  
Hawaiian Contracting Co., Honolulu (1) \$295,200, 270 days; (2) \$338,000, 270 days; (3) \$64,670, 200 days; (4) \$25,251, 200 days; (5) add \$9,400

Campbell Bldg. Co. of Utah, Salt Lake City, (1) \$511,050, 240 days; (2) \$426,050, 240 days; (3) \$53,000. — days; (4) \$32,000. — days; (5) add \$2,500  
The following is the only bid received at Washington, D. C.:  
C. E. Carson, Chicago, (1) \$389,000; (2) \$325,000; (3) \$65,000; (4) \$45,000; (5) add \$1,500.

RIVERSIDE, Cal.—The War Department has asked congress to appropriate \$500,000 to purchase additional land and erect necessary buildings at March field which will be the center for all heavier-than-air craft on the Pacific coast. A total of \$15,000,000 is asked for improvement of army and naval stations on the coast, including the hydroplane base on North Island, and marine post on Dutch Flats and naval hospital at Balboa Park, San Diego; submarine base at Los Angeles harbor, and the balloon camp at Arcadia.

WASHINGTON, D. C.—The following firms have secured plans and specifications from the office of the Supervising Architect, Treasury Department, Washington, D. C., for the erection of the proposed public building to be erected in Honolulu, T. H. Bids for which will be opened on November 3rd:

Gartenberg Construction Co., 426 6th Ave., Brooklyn, N. Y.  
American Factors, Limited, 82 Wall St., New York City.

Hawaiian Dredging Co., Limited, 1005 Wells Fargo Bank Bldg., San Francisco.

Hawaiian Contracting Co., Ltd., 1005 Wells Fargo Bldg., San Francisco.  
San Francisco Bridge Co., 1005 Wells Fargo Bldg., San Francisco, Cal.  
York & Sawyer, 50 East 41st St., New York City.

The Connors Bros. Co., 15 West 91st St., New York City.

P. J. Carlin Construction Co., 1183 Broadway, New York City.  
Hamilton & Chambers, 29 Broadway, New York City.

Campbell Bldg. Co., Salt Lake City, Utah.

Dougan & Chrisman, 312 Boston Bldg., Seattle, Wash.

Geo. Wagner, San Francisco, Calif.  
Warren Bros. Co., Rialto Bldg., San Francisco, Calif.

Plans have been given out by the Bureau of Yards and Docks, Navy Department, Washington, D. C., to the following for the power plant improvements at Pearl Harbor, T. H. The estimated cost of which is \$130,000, bids to be opened on October 22nd under Specification No. 3856:

Thompson Bros., 123 North 5th St., Philadelphia, Pa.

Carroll Electric Co., 714 12th St., N. W., Washington, D. C.

Almiral & Co., 1 Dominick St., New York City.

Standard Water System Co., Hampton, N. J.

Adams, Britz & Co., Inc., 1759 Park Ave., New York City.

Wheeler-Green Electric Co., 29 St. Paul St., Rochester, New York.

John W. Danforth Co., 70 Ellicott St., Buffalo, N. Y.

White City Electric Co., 724 9th St., N. W., Washington, D. C.

Austin Heating Corporation, 121 West 42nd St., New York City.

M. J. Dougherty Co., North American Bldg., Philadelphia, Pa.

Whitlock Coil Pipe Co., Hartford, Conn.

General Electric Co., Schenectady, New York.

Harrison Safety Boiler Works, Philadelphia, Pa.

Chas. C. Moore & Co., 1st and Market Sts., San Francisco, Calif.

Wheeler Condenser & Engineering Co., Carteret, N. J.

General Heating & Ventilating Co., 198 Milwaukee St., Milwaukee, Wis.

Buffalo Forge Co., Buffalo, N. Y.

Coleman-Shoemaker, Inc., Commercial trust Bldg., Philadelphia, Pa.

Allis-Chalmers Manufacturing Co., Washington, D. C.

Stewart Engineering Corporation, 61 Broadway, New York City.

Penn. Bridge Co., Beaver Falls, Pa.

Westinghouse Electric & Manufacturing Co., Washington, D. C.

Plans for work at Mare Island and San Diego have been given out as follows:

Mare Island, Calif., Electric Lighting and Power Systems; Estimated, \$25,000; Opened —; Specification 3962.

John R. Proctor, 74 Courtland St., New York City.

Howard P. Foley Co., Washington, D. C.

Riggs, Distler & Stringer (Inc.), 216 N. Calvert St., Baltimore, Md.

Carroll Electric Co., 712 12th St., Washington, D. C.

Westinghouse Electric & Mfg. Co., Washington, D. C.

General Electric Co., Schenectady, New York.

White City Electric Co., Washington, D. C.

Edgewood Dynamo and Engineering Co., New York City.

E. J. Electric Installation Co., 221 West 23rd St., New York City.

Connor Electric Co., 258 Washington St., Boston, Mass.

Standard Engineering Co., 61 Broadway, New York City.

Crocker Electric Co., 1270 Broadway, New York City.

C. H. Wheeler Mfg. Co., Lehigh and Sedgley Aves., Philadelphia, Pa.

Stewart Engineering Co., 61 Broadway, New York City.

Mare Island, Calif., Torpedo Storehouse and Compressor and Separation Building; Estimated Cost, \$60,000; Opened, — Specification 3991.

White City Electric Co., Washington, D. C.

San Diego, Calif., Water Supply and Sewer System and Fuel Oil Reservoir; Estimated Cost, \$200,000; Opened — Specification 4007.

Hyde & Baxter, 711 13th St., N. W., Washington, D. C.

White City Electric Co., Washington, D. C.

H. D. Hallett, 132 Downer Place, Aurora, Ill.

Whitlock Coil Pipe Co., Hartford, Conn.

Standard Water Systems Co., Hampton, N. J.

John W. Danforth Co., 70 Ellicott St., Buffalo, New York.

Mansfield & Savage, 135 William St., New York City.

Thompson Bros., 123 North 5th St., Philadelphia, Pa.

Rensselaer Valve Co., 30 Church St., New York City.

Chicago Bridge & Iron Works, 20



Church St., New York City.

Kinney Mfg. Co., 3529 Washington St., Chicago, Ill.

WASHINGTON, D. C.—Bids received by the Public Works Officer, Pearl Harbor, H. T., on September 10th, for the construction of torpedo racks under Specification No. 4008 are as follows:

Hawaiian Contracting Co., Honolulu, H. T., \$25,800; 150 days.

Wooley & Beeton, Honolulu, H. T., \$24,771; 100 days.

The contract was awarded to Wooley & Beeton.

## HALL AND SOCIETY BUILDINGS.

Plans Being Figured.

COUNTRY CLUB Cost, \$—

MILL VALLEY, Marin Co., Cal.

One-story frame country club (rustic exterior).

Owner—Mill Valley Country Club, George Lowell, Mgr., Care Great Western Power Co., 9 Main St., San Francisco, and 650 Lovell St., Mill Valley.

Architect—W. H. Ratcliff, 1st National Bank Bldg., Berkeley.

Contract Awarded.

LODGE BUILDING Cost, \$—

LAKEPORT, Lake Co., Cal.

Two-story reinforced concrete addition for lodge building, 30x40.

Owner—Masonic Hall Association, Lakeport, Cal.

Architect—Not Given.

Contractor—Bardwell & Zimmerman, Callstoga, Cal.

Plans to be Prepared.

LABOR TEMPLE Cost, \$—

FRESNO, Fresno Co., Cal.

Fireproof labor temple.

Owner—Central Labor Council and Fresno Building Trades Council, Building Committee composed of Charles Pilgrim, C. C. Jarman and W. E. Banker, W. C. Atkins is Secretary.

Architect—Not yet Selected.

Contract Awarded. Foundations Started.

CLUB BUILDING Cost, \$—

MADERA, Madera Co., Cal. Fifth and "C" Streets.

One-story hollow wall concrete club building, 50x100.

Owner—Catholic Club Ass'n. of Madera, Madera, Cal.

Designer & Contractor—A. Gendron, Madera, Cal.

## HOSPITALS

Ready for Figures About November 1st

HOSPITAL Cost, \$700,000

OAKLAND, Alameda Co., Cal. 14th

Avenue and E-27th Street.

First unit Class "A" hospital.

Owner—Alameda County.

Architect—Henry H. Meyers, Kohl

Bldg., San Francisco.

Ready for Figures Next Week.

ADDITION Cost, \$50,000

WOODLAND, Yolo Co., Cal.

Addition to Sanitarium.

Owner—Woodland Sanitarium.

Architect—W. H. Weeks, 75 Post St.,

San Francisco.

SAN PEDRO, Los Angeles Co., Cal.

—A committee of five doctors and three members of the Chamber of Commerce has been appointed to co-operate with the Sisters of St. Joseph in building a new hospital in San Pedro. The sisters agree to pay 80% of the cost of a building provided the city will provide 20%. The proposed hospital will have 50 beds and about 14 private rooms. C. H. Cleveland is chairman of the Chamber of Commerce Committee. The other members are C. F. Waite and E. W. Sandison. The doctor's committee consists of Drs. M. C. Robins, W. D. Moore, F. W. Reynolds, W. E. Guldinger and F. W. Marotz.

Preliminary Sketches Prepared.

HOSPITAL Cost, \$30,000

available.

VALLEJO, Solano Co., Cal.

Three-story fireproof hospital building

Promoter—R. W. Vance, formerly in

charge of infirmary at Bassen's

Docks in France.

Architect—J. Benjamin Hayes.

Others interested in the project are Frederick C. Moore, certified public accountant and efficiency expert and W. H. Alsford, formerly with the Standard Oil Company.

It is likely that the plans which Dr. R. J. Klotz recently had drawn up by Architect C. E. Perry, of Vallejo, for a local hospital will be considered and the building will conform with them except for minor changes.

## HOTELS

Plans Being Prepared. Contract Awarded.

HOTEL AND RESIDENCE

Cost, \$250,000 hotel; \$80,000 residence.

LINDSAY, Tulare Co., Cal.

Tourist hotel and large residence.

Owner—Wm. Gillette.

Architect—The Milwaukee Bldg., Co.

315 Wright & Callender Bldg., Los Angeles.

Contract Awarded.

ALTERATIONS Cost, \$—

SANTA CRUZ, Santa Cruz Co., Cal. No.

171 Pacific Avenue.

Remodel hotel building into lodge hall, etc.

Owner—Santa Cruz Elks.

Architect—None.

Contractor—Dan R. Wagner, 224 Judah St., San Francisco.

Segregated Figures Being Taken.

COMPLETE HOTEL Cost, \$125,000

SAN FRANCISCO. SW Eddy & Mason

Streets.

Complete six-story Class "C" brick hotel and store building (interior

finish, plumbing, heating, glazing, etc.)

Owner—Estate of J. K. Prior.

Architect—Earl B. Scott, Humboldt Bk.

Bldg., San Francisco.

This building was started in 1911, but work was stopped after the frame was erected.

Plans Being Urepared.

HOTEL Cost, Between \$350,-

000 and \$400,000.

FRESNO, Fresno Co., Cal. "M" and

Mariposa Streets.

Six-story and basement reinforced con-

crete hotel, 350 rooms each having private bath.

Owner—S. N. Griffith, Griffith-McKenzie Bldg., Fresno.

Architect—Glass & Butner, Cory Bldg., Fresno.

Contract Awarded.

HOTEL Cost, \$160,000

SANTA ANA, Orange Co., Cal. North

Broadway and Birch Streets.

Three-story and basement reinforced

concrete and frame tourist hotel.

(All work except mechanical equipment.)

Owner—A Santa Ana Syndicate (W. A. Huff, John Cullhon, H. F. Forgy, G. B. Shattuck and A. J. Crookshank are Trustees).

Architect—Myron Hunt, 1017 Hibernian Bldg., Los Angeles.

Contractor—Edward C. English, 508-10

Citizens Nat'l. Bank Bldg., Los Angeles.

Owner Taking Figures.

LODGING BLDG. Cost, \$—

OAKLAND, Cal. Elmhurst and Tele-

graph Ave. or Grove St., Oakland.

Two one-story frame lodging buildings for car workers.

Owner—San Francisco, Oakland Terminal Railways, 22nd and Grove Sts., Oakland.

Architect—Withheld.

Plans Being Revised.

FRAME HOTEL Cost, \$—

BISHOP, Inyo Co., Cal.

Two-story reinforced concrete and frame hotel, 80 rooms, 60 bath-

rooms, etc.

Owner—A. J. Merrill, et al.

Architect—The Engineering Service Co., 816 Washington Bldg., Los Angeles.

The plans are being prepared under the supervision of Karl D. Schwen-dener, the company's architect.

## LIBRARIES

Plans to be Prepared.

LIBRARY Cost, \$10,000

GLEN ELLEN, Sonoma Co., Cal.

One-story stone memorial library (Jack London Memorial).

Owner—Citizens of Glen Ellen.

Architect—Harry Merritt, 1801 Van Ness Ave., San Francisco.

## PUBLIC BUILDINGS

WOODLAND, Yolo Co., Cal.—Architect W. H. Weeks, 75 Post Street, San Francisco, has submitted estimates to the City Council for remodeling the present City Hall. Architect Weeks estimates the work to cost about \$30,000. No action has been taken by the City Trustees.

REDDING, Shasta Co., Cal.—The City Trustees are planning a bond issue of \$75,000 with which to finance construction of a memorial building for the soldiers who lost their lives in the war.

Completing Plans.

LIBRARY Cost, \$55,000

SAN FRANCISCO. N. Sacramento St.

bet. Baker and Lyon Sts., 117x225.

Two-story brick and concrete library (Presidio Branch).

Owner—S. F. Library Trustees Carno-

### gie Fund.

Architect—G. A. Lansburgh, Gunst Bldg., 709 Mission St., San Francisco.

Plans will be complete and ready for figures the end of this month.

### Contract Awarded.

#### ADMINISTRATION BLDG.

Cost, \$400,000 approximately.

LOS ANGELES. University Grounds. Three-story and basement reinforced concrete and hollow tile administration building, 254x157.

Owner—University of Southern California.

Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

Contractor—Edward C. English, 508-10 Citizens Nat'l. Bank Bldg., Los Angeles.

The plumbing contract was awarded to Howe Bros., heating to Thomas Haverly Co.; structural steel to Baker Iron Works; painting to John W. Caton; and electric work to Foulkes Electric Co.

SACRAMENTO, Cal.—The State Engineering Department has awarded a contract to Matt Green of Tahoe City for the construction of the hatchery for the State Fish and Game Commission at Lake Tahoe. The contract price is \$20,350.

BOISE, Idaho.—Bids received for the construction of the addition to the State Capitol building at Boise shows James & Stewart & Co., of Salt Lake City, Utah, low at \$770,000 and they were awarded the contract, which includes the heating, electric wiring and plumbing work.

RICHMOND, Contra Costa Co., Cal.—The City Council has awarded a contract to P. M. Sanford, 666 20th St., Richmond, at \$650 for the construction of a shed for the automobiles owned by the city. The structure will be erected adjoining the City Hall.

SAN FRANCISCO.—The following bids were received by the Supervising Architect, Post Office Bldg., San Francisco, for the extension and remodeling of boiler room in boiler building at the U. S. Marine Hospital, San Francisco:

Barrett & Hilp.....	\$5,949
A. H. Vogt.....	5,963
Unit Construction Co.....	6,362
Thos. A. Cavanagh.....	6,475
John Flaherty.....	6,887

### RESIDENCES.

#### Plans Being Prepared.

REMODEL RESIDENCE Cost, \$5,000  
FRESNO. Fresno Co., Cal. Tulare St. Remodeling residence.

Owner—Mrs. Chas. Griffith, Fresno.  
Architects—Glass & Butner, Hearst Bldg., San Francisco, and Cory Bldg., Fresno.

#### Plans Being Figured

RESIDENCE Cost, \$20,000  
RENO, Nevada.  
Two-story and basement brick residence.

Owner—W. H. Duncan.  
Architect—Geo. C. Sallon, 1065 8th St., Sacramento, Calif.

#### Plans Being Prepared.

BUNGALOWS Cost, \$5,000 each  
SAN FRANCISCO. Forty-seventh Ave. and Cabrillo Street.

Twelve one-story 4 and 5-room frame bungalows.

Owner—Withheld.

Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

Plans Being Prepared. Ready for Figures in About Ten Days.

RESIDENCE Cost, \$20,000  
CONCORD, Contra Costa Co., Cal.

Two-story frame residence (10 rooms and 4 bathrooms).

Owner—Mrs. Geo. W. McNear.

Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

#### Plans to be Prepared.

RESIDENCE Cost, \$—  
BURLINGAME, San Mateo Co., Cal.

Large country residence.

Owner—Col. D. C. Jackling, St. Francis Hotel, San Francisco.

Architects—Bakewell & Brown, 251 Kearny St., San Francisco.

Plans will be started shortly. Nothing definite has been decided as to size, style, etc.

#### Contract Awarded.

RESIDENCES Cost, \$7,000 each  
SAN FRANCISCO. St. Francis Wood.

Two two-story frame residences.

Owner—St. Francis Home Building Co., 278 Post St., San Francisco.

Architect—H. H. Guttererson, 278 Post St., San Francisco.

Contractor—John Morton, 180 Jessie St., San Francisco.

#### Contract Awarded

RESIDENCE Cost, \$10,000  
SAN FRANCISCO. St. Francis Wood.

Two-story frame residence.

Owner—St. Francis Home Building Co., 278 Post St., San Francisco.

Architect—H. H. Guttererson, 278 Post St., San Francisco.

Contractor—John Bjorkman, 115 Seville St., San Francisco.

#### Sketches Being Prepared.

RESIDENCE, ETC. Cost, \$8,500  
SAN FRANCISCO. Northwood Drive, Westwood Park.

Two-story seven-room frame residence and garage.

Owner—Withheld.

Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Plans Being Prepared. Ready for Figures About Wednesday.

RESIDENCE, ETC. Cost, \$8,000  
BERKELEY, Alameda Co., Cal. Ashby Avenue near Claremont.

Two-story and basement frame residence and garage (8 rooms).

Owner—Mrs. Wm. F. Endress.

Architect—Jas. W. Placcek, 2014 Shattuck Ave., Berkeley.

#### Plans Being Prepared.

RESIDENCE ETC. Cost, \$7,500  
SAN FRANCISCO. Miramar Avenue, Westwood Park.

One-story 6-room frame residence and garage.

Owner—Withheld.

Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

#### Completing Plans.

RESIDENCE Cost, \$—  
FLINTRIDGE, Los Angeles Co., Cal.

Two-story brick and stucco residence 15 rooms, 5 bathrooms (swimming pool, garden wall, terraces, etc.).

Owner—W. P. Hanson.

Architect—Harwood Hewitt, 1130 Van Nuys Bldg., Los Angeles.

### SCHOOLS

CONCORD, Contra Costa Co., Cal.—Bids received by the Trustees of the Mt. Diablo Union High School District

Henry Eicher, Clerk, for furnishing and installing lockers in the new gymnasium building have been rejected owing to an irregularity in advertising for bids and new bids will be taken shortly.

Plans for the building were designed by Architects Wright & Sala, Bank of Italy Bldg., Stockton. The contract has been let to L. V. Perry of Concord at \$17,800.

Plans Being Figured. Bids Close Nov. 1, 1919.

SCHOOL Cost, \$130,000  
CHANDLER, Arizona.

Three two-story brick school buildings. Owner—Chandler High School District.

Maricopa Co., A. T. Morgareidge Clerk.

Architects—Allison & Allison, Hibernian Bldg., Los Angeles.

Plans may be obtained from the architects, also at office of Architect Curtis Tobey, Chamber of Commerce Bldg., Phoenix, Ariz. A deposit of \$1 will be required from all contractors receiving plans. Bids will be received separately as follows: (1) excavating concrete, carpentry and iron work; (2) masonry and terra cotta work; (3) sheet metal work; (4) tile roofing; (5) composition roofing; (6) plastering (7) blackboards; (8) painting; (9) electrical work; (10) plumbing; (11) program clocks; (12) hardware; (13) heating.

HERMOSA BEACH, Los Angeles Co., Cal.—John Simpson & Co., Grant Bldg., Los Angeles, submitted the lowest bid at \$62,500 on the general contract for the erection of a new grade school building at Hermosa Beach in accordance with plans and specifications prepared by Architect Herbert C. Howard, 619 Broadway Central Bldg.

The low bidders on the other contracts were as follows: J. G. Robertson Electric Co. of Santa Ana, on the electric fixtures at \$738; E. W. Crowell on the plumbing at \$3799; D. Zellinsky & Sons, on the painting at \$2045, and J. G. Robertson Electric Co. of Santa Ana, on the electric wiring at \$1495. The bids were taken under advisement.

Plans Being Prepared.

KINDERGARTEN, ETC. Cost, \$75,000  
GLENDALE, Los Angeles Co., Cal.

Two hollow tile kindergarten buildings and a brick addition to the intermediate school.

Owner—Glendale Grammar School District.

Architects—Jeffery & Schaefer, 1104 Kerckhoff Bldg., Los Angeles.

Kitchens Approved. Working Drawings Being Prepared.

**SCHOOLS** Cost, \$—  
**FRESNO**, Fresno Co., Cal.—Seven brick, terra cotta and reinforced concrete school buildings for Fresno High School District. Shops, cafeteria, assembling rooms, modern dairy buildings, etc.  
 Owner—Fresno School District.  
 Architects—Coates & Traver and F. R. Felchin, Rowell Bldg., Fresno.

Plans Being Prepared.

**AUDITORIUM** Cost, \$50,000  
**SANTA ANA**, Orange Co., Cal.—Brick auditorium building.  
 Owner—Santa Ana High School District.  
 Architect—Norman F. Marsh, Broadway Central Bldg., Los Angeles.

Plans Being Prepared.

**ADDITION** Cost, \$50,000  
**BISBEE**, Arizona.—Two-story reinforced concrete addition to high school.  
 Owner—Bisbee High School District.  
 Architects—Norman F. Marsh, Broadway Central Bldg., Los Angeles.

Contract Awarded.

**SCHOOL** Cost, \$39,098  
**CASHMERE**, Washington.—Two-story and basement brick community center and high school, 106x75.  
 Owner—Cashmere School District.  
 Architects—Stephen & Stephen, New York Block, Seattle, Wash.  
 Contractor—Lewis F. Spidel, Leavenworth, Wash.

Contract Awarded.

**SCHOOL** Cost, \$25,000  
**WILBUR**, Oregon.—One-story brick school (6 class rooms and auditorium), 64x153.  
 Owner—Wilbur School District.  
 Architect—E. E. McClaran, Lumber Exchange Bldg., Portland, Ore.  
 Contractor—C. W. Frazier, 1396 Curtis St., Portland, Ore.

**FRESNO**, Fresno Co., Cal.—In addition to plans recently approved for school improvements the Board of Education has approved plans for the following:

Kirk School, plans by Architects Coates & Traver, Rowell Bldg., Fresno.  
 Jackson School, plans by Architect Ernest J. Kump, Rowell Bldg., Fresno.  
 John Muir School, plans by Architects Glass & Butler, Rowell Bldg., Fresno.

Jefferson and Washington Schools, plans by Architect Eugene Mathewson

Plans Being Revised.

**SCHOOL** Cost, \$10,000  
**ROSEDALE**, Fresno Co., Cal.—Two-room school building including library and toilets.  
 Owner—Rosedale School District.  
 Architects—Glass & Butler, Hearst Bldg., San Francisco, and Cory Bldg., Fresno.

**NOTE**—Bids were opened for this building on October 1st, and were rejected as being above the amount available for construction.

**Bonds Voted. Plans Being Completed.**  
**GYMNASIUM BLDG.** Cost, \$35,000  
**OREGON CITY**, Oregon.—Fireproof gymnasium building.

Owner—Oregon City High School District.

Architects—Whitehouse & Foulhoux, Railway Exchange Bldg., Portland.

**FRESNO**, Fresno Co., Cal.—Architects Swartz & Swartz, Rowell Bldg., have awarded a contract to Chas. Tibbs, Selma, for the erection of a lavatory building at \$1,633 and to Fred L. Bates of Selma at \$1,270 for the plumbing on same at the Walnut School. No contract was awarded for the pneumatic water pumping plant for the same school.

**EUREKA**, Humboldt Co., Cal.—The school Board has accepted the bid of Louis Halvorsen, 2036 "S" Street, Eureka, for an asphalt roofing on the gymnasium building at the high school.

**BERKELEY**, Cal.—The following bids were received September 30th by the Secretary of the Berkeley Board of Education for furnishing the necessary materials, tools and labor for doing certain Brick Work and Artificial Stone Work for the construction of alterations and additions at the Edison School, situated on the south side of Oregon street, between Grant street and McGee avenue, in accordance with plans and specifications by Architect W. H. Ratcliff, First National Bank Bldg., Berkeley:  
 Mealey & Collins, 180 Jessie St., San Francisco.....\$17,245  
 W. T. Bond.....18,000  
 Wm. Bruce.....18,500

**WOODLAND**, Yolo Co., Cal.—The City Board of Education is contemplating the purchase of furniture for the new Bay Terrace School which will be ready for occupancy about January 1st, 1920.

The Board plans the expenditure of \$4,315 in furnishing the building.

Contract Awarded.

**SCHOOL** Cost, \$91,500  
**EL SEGUNDA**.—One-story and basement brick school.  
 Owner—El Segunda School District.  
 Architects—Tram & Williams, 226 Exchange Bldg., Los Angeles.  
 Contractor—J. A. Crook, 619 Exchange Bldg., Los Angeles.

The Pacific Gas Radiator Co., submitted the lowest bid at \$2040 for furnishing and installing gas radiators, and Thomas Haverly Co. was low at \$4485 for furnishing and installing plunge equipment. The bids for radiators and plunge equipment were taken under advisement.

**FRESNO**, Fresno Co., Cal.—The City Board of Education has approved plans for the following school improvements and will call for bids within the next few days:

Arlington Heights School and Franklin Kindergarten from plans by Architect Robert Hotchkiss, Rowell Bldg., Fresno.

Addition of eight rooms to Webster Street School from plans by Architects Swartz & Swartz, Rowell Bldg., Fresno. J. R. Fontaine is secretary of the Board of Education.

**GLOBE**, Ariz.—Jay Garfield of Globe, was awarded the contract at \$117,390 to erect the new Hill Street grammar

school. The Whalley Lumber Co. was awarded the contract at \$84,300 to erect the addition to the high school. Trost & Trost, of El Paso, Tex., are the architects.

## STORES AND OFFICES

Ready for Figures Shortly.

**SALESROOM** Cost, \$80,000  
**SAN FRANCISCO**.—S Market 100 E 11th St., Lot 68-9x137-6.

Two-story and basement reinforced concrete automobile truck sales-room building.

Owner—Withheld.

Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

Contract Awarded.

**BAKERY** Cost, \$—  
**SAN FRANCISCO**.—Fell and Gough Streets.

One-story concrete store (bakery).

Owner—A. Komthoest.

Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Concrete work awarded to P. Hurley 180 Jessie St., San Francisco.  
 Carpenter, etc., to Frank Crothers, 1426 10th Ave., San Francisco.

Plans to be Prepared.

**BUSINESS BLOCK** Cost, bet. \$60,000 and \$80,000.

**FRESNO**, Fresno Co., Cal. NE Ventura and Van Ness Avenue.

Fireproof business block, 125x150.

Owner—M. M. Shoshan, 459 "J" St., Fresno.  
 Architect—Not Yet Selected.

Completing Sketches. Working Drawings to be Started Shortly.

**OFFICE BLDG.** Cost, \$—  
**SAN FRANCISCO**.—NE Post and Powell Streets.

Nine or ten-story Class "A" office building.

Owner—Wm. M. Fitzhugh, Mills Bldg., San Francisco.

Architects—Reid Bros. and Bakewell & Brown, Associated, 105 Montgomery St., San Francisco.

Plans to be Started Shortly.

**STORE AND LOFT BLDG.** Cost, \$—  
**SAN FRANCISCO**.—N Post St., bet. Stockton and Powell Sts., Adj. to Plaza Hotel.

Three or four-story Class "C" store and loft building.

Owner—Wm. M. Fitzhugh, Mills Bldg., San Francisco.

Architects—Reid Bros., 105 Montgomery St., San Francisco.

Plans Being Prepared.

**STORES** Cost, \$15,000 approximately.

**BURLINGAME**, San Mateo Co., Cal. Gore Corner of San Mateo Drive, West Lane and Burlingame Square. One-story concrete and brick stores, 50x100, (5 stores).

Owner—H. W. Regan, 136 Occidental St., Burlingame, Cal.

Architect—Not Given.

Contractor—Lange & Bergstrom, Sharon Bldg., San Francisco.

Plans Being Figured.

**ALTERATIONS** Cost, \$5,000  
**SAN FRANCISCO**.—No. 2346 Mission Street.

Alterations to store (fixtures, store front, etc.).

Owner—O'Reilly Cloak & Suit House.  
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Prepared.

STORE & OFFICE BLDG. Cost, \$ —  
BAY POINT, Contra Costa Co., Cal.  
Two-story store and office building.  
Owner—Turner Bros.  
Architect—A. W. Vornelius, Merchants National Bk Bldg., San Francisco.

Ready for Figures End of This Week.  
ALTERATIONS Cost, \$3,500  
SAN FRANCISCO. NO. 16 Mason St.  
Alterations to store (new front, fixtures, etc.)

Owner—Withheld.  
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Plans Being Figured.  
ALTERATIONS Cost, \$ —  
SAN FRANCISCO. Nos. 37-39 Stockton Street.

Alter three-story store building (install new glass front, store fixtures, etc.)

Owner—California Credit Clothing Co., Premises.  
Architect—Bernard J. Joseph, New Call Bldg., San Francisco.

Plans to be Prepared.  
STORES Cost, \$ —  
LODI, San Joaquin Co., Cal. South School Street.

One-story brick store building, 35x140  
Owners—Composed of Geo. L. Melsner, Dr. D. H. Clouse, Wilson H. Thompson and W. H. Lorenz, all of Lodi.

Architect—Not Yet Selected.

Plans to be Prepared.  
STORE AND LOFT BLDG.  
Cost, \$ —

SAN FRANCISCO. S Market Street bet. Second and New Montgomery. Two or three-story brick store and loft building.

Owner—John C. Brickell, Lick Bldg., San Francisco.

This property was just purchased last week. Architect J. R. Miller, Lick Bldg., will probably prepare the plans

Plans Being Prepared.  
AUTO SALES BLDG. Cost, \$ —  
SAN FRANCISCO. NW Clay and Van Ness Avenue.

Two-story and basement fireproof auto sales building (type of construction not decided).

Owner—Louis R. Lurie.  
Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.

Plans will be completed in about a month.

Figures Being Taken for Electric Work and Plumbing.

STORE Cost, \$15,000  
SAN FRANCISCO. SE Meacham Place and Post Street.

One-story concrete store, 36x34.  
Owner—Arthur F. Rousseau, 110 Sutter St., San Francisco.

Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

Sub-figures on the balance of the work will be taken later.

Plans Being Prepared.  
ALTERATIONS Cost, \$ —  
SAN FRANCISCO. No. 314 Sutter St.

Alter six-story and basement fireproof building for furniture store.  
Owner—J. R. K. Nutall.

Lessee—Bare Bros. Furniture Co., 255 Geary St., San Francisco.  
Architects—Ward & Blohm, Alaska Commercial Bldg., San Francisco.

Construction to Start Shortly.  
AUTO SALES ROOMS Cost, \$100,000  
SAN FRANCISCO. NW Jackson and Van Ness Avenue.

Two-story reinforced concrete auto sales rooms, 80x138.

Owner—A. Haas, Sacramento & Davis Sts., San Francisco.  
Architect & Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.

## THEATRES

Ready for Figures Next Week.

THEATRE Cost, \$ —  
SAN FRANCISCO. No. 3350 Mission St., near 29th (Lyceum Theatre).  
One-story Class "A" motion picture theatre.

Owner—Withheld.  
Architects—Reid Bros., 105 Montgomery St., San Francisco.

Plans Complete. Ready for Figures in a Few Days.

THEATRE Cost, \$100,000  
MODESTO, Stanislaus Co., Cal.  
One-story and balcony Class "A" theatre (1800 seating capacity).

Owner—San Francisco Men.  
Architects—Reid Bros., 105 Montgomery St., San Francisco.

## ENGINEERING

### BRIDGES, DAMS & HARBOR WORK

HANFORD, Kings Co., Cal.—The Directors of the Last Chance Water Co. have awarded a contract to Fredrickson & Shannon, Cory Bldg., Fresno, for the construction of the cement weir at the head of the canal on Kings River, 5 miles northwest of Hanford. The structure will be about 150 feet in length with 40 foot wings and will cost \$29,000.

MARTINEZ, Contra Costa Co., Cal.—The offer of the Reinforcing Roofing Co. at \$500 to place a coat of asphaltum on the bottom and sidewalls of the city reservoir to make same waterproof has been taken under advisement by the Trustees.

The offer of an Oakland concern which has a different process to make the tank waterproof has also been taken under advisement.

PASCO, Wash.—J. R. Wood, Central Bldg., Seattle, Wash., has been awarded the contract for the construction of one of the largest steel bridges in the Northwest on his bid of \$207,000.

The bridge will be 1556 feet long in six parts as follows. One cantilever, 301 ft., two 259 ft. anchor arm spans, two 260 ft. spans and one 217 ft. span.

The bridge will span the Snake River at Pasco and will be paid for by both Franklin and Walla Walla counties.

# Pacific PIPE

## SAVES YOU MONEY

New and re-nerved screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

## PACIFIC PIPE CO.,

231 Howard St.      San Francisco

ANAHEIM, Orange Co., Cal.—A meeting has been called by Francis Cuttle of Riverside, chairman of the tri-county reforestation committee, to be held at Anaheim on October 9, to consider the advisability of forming a comprehensive flood control and conservation district covering the entire water shed of the Santa Ana river and its tributaries. By regulating the flow of the river certain water supply for lands now irrigated and 40,000 additional acres may be obtained, according to the report of Engineers Olmsted, Sonderegger & Barnard, made to the reforestation committee.

NAPA, Napa Co., Cal.—Following bids were received by the Supervisors for the construction of the reinforced concrete Milliken bridge:

F. Gaggero, Napa, \$3382.50.  
C. H. Gildersleeve, San Francisco, \$3340.

The contract was awarded to F. Gaggero at \$3,382.50.

NAPA, Napa Co., Cal.—The County Clerk will receive bids up to October 15th, 10 A. M., for the construction of three culverts, one in American Canyon, near the Denis ranch, one on Lincoln avenue, about half a mile west of the city limits, and one on Central avenue, near the Rupert ranch.

LOS ANGELES, Cal.—The contract for the construction of silt diversion works near Los Angeles, bids for which were opened at the U. S. Engineer Office, Los Angeles, August 13, has been awarded to United Dredging Co., Los Angeles, at \$806,750.

CORPUS CHRISTI, Tex.—A bill for the loan of five million dollars to the City of Corpus Christi for the building of a sea wall that will enclose the bay front and pass into Nueces

Ray will be introduced in Congress by Carlos Bee, representative from this district, according to an announcement by Bee to the business men of the city here.

**EUREKA, Humboldt Co., Cal.**—No bids were submitted to the County Supervisors for the construction of a bridge at Thorn and for making a fill at the Port Kenyon bridge. It is probable that another call for bids will be issued. Fred M. Kay is County Clerk.

**PORTLAND, Ore.**—The Oregon State Highway Commission will shortly call bids for the construction of a double leaf trunnion bascule bridge across Youngs Bay, at Astoria, Clatsop County, Oregon.

Bids will be received on three alternate projects, as follows:

Project No. 1.—Bascule bridge, for combined railway and highway traffic, including about 1580 lineal feet of timber trestle approach span for the highway project.

Project No. 2.—Bascule bridge, for highway traffic only, including approximately 1580 feet of timber trestle approach span.

Project No. 3.—Bascule bridge, for highway traffic only, including approximately 360 feet of permanent approach (steel plate girders with concrete floor and foundations) and 1220 lineal feet of timber trestle approach.

For each project, tenders will be received on the basis of: (1) Substructure only; (2) superstructure only; (3) entire project.

**SAN FRANCISCO.**—The State Railroad Commission has ruled that the Nevada County Narrow Gauge Railroad must pay half the cost of the construction of a crossing over the track and the portal of its tunnel at Town Talk Summit in Nevada County.

The State will probably bear the balance of the cost.

**MANHATTAN BEACH, Los Angeles Co., Cal.**—The city will construct an overhead crossing at the Santa Fe Railway tracks on Laurel avenue. The bridge will be about 125 feet in length, timber construction. About 300 feet on E Railroad Drive will also be paved with concrete and curbs will be constructed. Bids will be taken on this work in two or three months. Victor H. Stahel, City Engineer.

**SAN FRANCISCO.**—The State Board of Harbor Commissioners has awarded a contract to J. P. Holland, 540 Brannan street, for filling at Islais street for 50c per yard. The award was made on recommendation of Chief Engineer Frank G. White.

**NAPA, Napa Co., Cal.**—The Supervisors have awarded a contract to Frank Gaggara, Pine and Jefferson streets, Napa, for the construction of the reinforced concrete bridge near Walnut Creek, he being the only bidder at \$2,235.

**OAKLAND, Cal.**—The Pacific Pipe & Tank Co., 318 Market St., San Francisco, plans the expenditure of \$500,000 or more on its holdings in Oakland near the High street bridge, according to G. F. McArthur, Secretary, who states that plans for the work are now being completed in the engineering de-

partment of the company. The work will consist of new docks, wharves, warehouses, etc.

Construction will not be started until the completion of plans which will be about the first of the year.

## IRRIGATION WORK

**MARTINEZ, Contra Costa Co., Cal.**—The Board of Supervisors adopted a resolution declaring the proposed Byron-Bethany irrigation district to be a necessity. The district is an enlargement of the present Byron-Bethany district and is being formed under the Wright act. It will include the town of Byron and many thousands of acres in that locality.

**PIMA, Ariz.**—Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, have been retained by the town of Pima to design and superintend the construction of river improvement works on the Gila river.

Engineer Drury Butler has been directed to report on the petition of property owners asking the construction of an approach to the bridge across the Cosumnes river leading to the highway.

**SAN JOSE, Santa Clara Co., Cal.**—Bids will be received by County Clerk Henry A. Pfister up to October 20th, 11 A. M., for the construction of a reinforced concrete bridge on Pierce road, over Calabases Creek, in Supervisor District No. 5.

**OAKDALE, Stanislaus Co., Cal.**—The directors of the Oakdale and South Joaquin irrigation districts have jointly agreed to improve the irrigating system by reconcreting the tunnels and canals. Chief Engineer R. W. Olmstead of the South Joaquin district recommends that \$25,000 be expended on the work each year for three years.

**PORTERVILLE, Tulare Co., Cal.**—P. A. Morrison, President of the Pleasant Valley Ditch Co., is promoting a proposition to construct a dam at the mouth of the valley to impound waters of the upper Tule river for irrigation. The project would cost about \$4,000,000, including the purchase of 650 acres of orchards for a reservoir.

**BOWIE, Ariz.**—San Simon valley, Cochise Co., Ariz., is contemplating a 200,000 acre storm water irrigation district. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, Consulting Engineers.

**YUBA CITY, Sutter Co., Cal.**—Land owners in the Harkey Corners section are planning an irrigation district comprising 20,000 acres. Signatures have been secured and the formation of the district is assured. Water for the land will be furnished by the Sutter-Butte Canal Company. The construction of ditches, laterals, etc., will be discussed at a meeting to be held later this month.

**RIVERSIDE, Cal.**—Preliminary organization of the Moreno Mutual Irrigation Co., which will purchase the property of the El Casco Land & Water Co. and supply water for the

Moreno valley, has been effected with P. T. Carter, Dan Hayward, J. M. Nelson, M. Towner and Will James as directors. The company will be capitalized at \$200,000. Geo. A. Sarau of Riverside, is attorney for the company.

## LIGHTING SYSTEMS

**TO CONSTRUCT POWER LINE.**  
**CHICO, Butte Co., Cal.**—J. W. North-edge of Chico has been granted a franchise by the State-Railroad Commission to furnish electricity to the town of Richvale. Construction of a power line costing \$3,000 will be started immediately.

**ELECTROLIER SYSTEM PLANNED.**  
**RICHMOND, Contra Costa Co., Cal.**—The City Council will meet on October 8th with the Chamber of Commerce and the Merchants Association to discuss the proposition of installing an electrolier system in Washington, Park and Macdonald avenues.

## MACHINERY

**MERCED, Merced Co., Cal.**—The Supervisors have authorized the purchase of a five-ton auto truck (Pierce-Arrow) for use in Supervisor Road District No. 3. The sum of \$6,400 was allowed for the purchase. P. J. Thornton is County Clerk.

## TO PURCHASE DRILLING MACHINE.

**TURLOCK, Stanislaus Co., Cal.**—Water Superintendent Brown has been instructed by the City Trustees to purchase a drilling machine for the use of the city water department.

## AUTO TRUCK BIDS WANTED.

**QUINCY, Plumas Co., Cal.**—The County Supervisors have ordered bids received for furnishing and delivering three one-ton auto trucks for use in the construction of roads. Further information may be had from the County Clerk at Quincy.

## PURCHASE.

**SANTA ROSA, Sonoma Co., Cal.**—The Supervisors have directed the County Clerk to call for bids for the sale of the Garford Truck owned by the County and which does not comply with the motor vehicle laws.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

**RICHMOND, Contra Costa Co., Cal.**—The bids of J. E. Staniger and G. W. Cushing for the improvement of 47th street between Potrero avenue and Cutting Boulevard have been taken under advisement by the City Council.

**PORTLAND, Ore.**—The following low bids were received by the State Highway Commission:

**Malheur County.**  
Nine Miles Gravel Surfacing.  
Porter & Conley.....\$69,277.25  
**Deschutes County.**  
23.9 Miles Grading.  
E. F. Logan, Bend (a) \$87,536; (b) \$87,290.48.  
A—Concrete pipe; B—Iron pipe.

**BENICIA, Solano Co., Cal.**—The City Trustees have awarded a contract to T. E. Clinch, 648 9th St., Richmond, for the construction of a sewer system in East Side Sewer District No. 1, with 6 inch vitrified salt-glazed sewer pipe, 5 manholes; 9 inspection holes; 1 flush tank; 70 "V" branches and other appurtenances.

The bid follows:

For six inch vitrified sewer pipe, per lineal feet.....	\$ 1.90
For 6x4 V Branches, each extra .....	1.50
For Manholes, complete.....	100.00
For Manhole with Flusher and connected to water mains in Sixth Street .....	175.00
For Inspection holes complete .....	10.00
For earth fill, per cubic yard. 2.00	

**CARSON CITY, Nevada.**—The State Highway Commission, C. C. Cottrell, State Highway Engineer, has awarded a contract to Armstrong & Baker, Elko, Nevada, at \$45,713.26 for the construction of the State Highway from Leeteville to Fallon in Churchill County, 7.57 miles. The estimate of the engineer was \$48,325. Other bids were:

C. G. Sellman Constr. Co., Reno, Nevada, \$48,126.50.

H. Francisco, Laws, Calif., \$61,890.10.  
Geo. S. Benson & Sons, Los Angeles, Calif., \$68,983.70.

**RICHMOND, Contra Costa Co., Cal.**—The City Engineer has been instructed to prepare plans for laying out a playground at Fifth and Ohio streets. The work will consist of grading, paving, etc. A. C. Faris is City Clerk.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Viola street from Penniman to Allendale avenue by grading, curbing and guttering with concrete and paved with an oil macadam pavement also for the construction of a concrete culvert.

**FRESNO, Fresno Co., Cal.**—Bids will be received by City Clerk Chas. Dillon up to 8 P. M., October 27th, for the construction of Sanitary Sewers in Municipal Improvement District No. 1 of the City of Fresno.

**MODESTO, Stanislaus Co., Cal.**—The City Council has received petitions asking the paving of 14th street between H and I streets, on 14th street between L and Needham, on 11th between L and Needham and on Needham from 9th to 17th.

The Council has adopted plans and specifications and passed a resolution of intention providing for the paving of H street from Second street to the city limits. Fifteenth street from H to E street from Fifteenth to Burney, and Spencer street from Burney 490 feet easterly. All will be paved full width, with the exception of E street from Jefferson to the city limits.

A petition asking the construction of sewers in Sunset Boulevard was received and laid over for further consideration.

**VALLEJO, Solano Co., Cal.**—Engineer T. D. Kilkenny has completed plans, specifications and estimates of

cost for the improvement of Lozier Alley between Carolina and Florida street. The estimated cost of the improvement is \$2.24 per foot or \$112 per 50-ft. lot.

**VALLEJO, Solano Co., Cal.**—The City Council has adopted plans and specifications for the improvement of Highborn street from Sacramento street to Wilson avenue.

**WOODLAND, Yolo Co., Cal.**—The supervisors have appointed Asa G. Proctor County Engineer of Yolo County.

As county engineer, Proctor will have supervision of the construction of 75.45 miles of permanent county highway in Yolo county and for which the voters recently agreed to bond the county for \$1,000,000.

**TRACY, San Joaquin Co., Cal.**—W. J. Schmidt, Cedar and Sacramento Sts., Berkeley, has been awarded a contract by the City Trustees for the pavement of several streets in this city. The work will cost about \$15,000. The only other bidder was J. E. Johnson.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has passed resolution of intention (No. 19037 N. S.) providing for the improvement of Oak street between 2nd and 7th streets by grading; construction of brick gutters and concrete curbs and paved with an asphalt pavement; construction of 4 brick catchbasins with cast iron tops; 1 brick manhole and vitrified pipe conduits 10 inches in diameter.

Resolution No. 19039 N. S. provides for the improvement of Blossom St. from Fruitvale avenue westerly by grading; construction of concrete curbs and gutters; cement concrete sidewalks and paving with an oil macadam pavement and installation of 2 vitrified pipe conduits 10 inches in diameter.

**LODI, San Joaquin Co., Cal.**—The City Trustees, H. S. Clark, City Clerk, has passed a resolution of intention (No. 26) providing for the improvement of South School Street from the south line of Walnut to the north line of Lodi avenue and from the south line of Lodi avenue to the city limits on the south by grading, paving with a 1½ inch Warrenite wearing surface laid on an asphaltic concrete base 3 inches thick and the construction of hydraulic concrete curbs and gutters.

**NAPA, Napa Co., Cal.**—The City Council, H. H. Thompson, City Clerk, has passed a resolution of intention providing for the improvement of Caymus street from the east line of Main street to the west line of the S. P. railway and Napa street, from the east line of Brown to the west line of Main street by grading, construction of cement concrete curbs and paving with an asphalt macadam (2 course) pavement forty feet wide.

**TOPPENISH, Wash.**—The City Council has awarded a contract to The Standard Asphalt Company for the improvement of several streets on its bid of \$84,338.65.

**SACRAMENTO, Cal.**—City Engineer Frank C. Miller has completed esti-

mates of cost of making repairs at Front street where the fill along the wharf near M street has washed away. The pavement and the railroad tracks have been left in a dangerous condition by the land slide, and immediate repairs are necessary, according to Miller's report.

**STOCKTON, San Joaquin Co., Cal.**—At the last meeting of the City Council plans and specifications for covering the concrete pavement on the waterfront near the Sperry mills at Lincoln street with an asphalt top were adopted.

The Council has also adopted plans and specifications providing for the following sidewalk improvements:

101 feet on the south side of Flora street east of Edison; on the north side of Lafayette, 101 feet east from Monroe; on the west side of Hunter street, 101 feet south from Jefferson; on the south side of Jackson, 42 feet west from Hunter; on the south side of Jackson, 110 feet east from Grant; west side of Hunter, 202 feet south from Taylor; the west side of Stockton street, 50 feet north from Flora; west side of American street, 50 feet north from Clay, and the west side of Stockton street, 101 feet north from Flora.

**SEATTLE, Wash.**—The King County Commissioners are considering the surfacing of the road from 32nd avenue, on the hill above the lake ferry landings near Leschi Park, to the lake shore with a brick pavement. The work is estimated to cost about \$72,000.

**SPOKANE, Wash.**—Burns, Jordan & Welch, of Spokane and Seattle, have been awarded the contract for the construction of 30 miles of railroad from Granger, 50 miles north of Calgary, into the Drumheller coal mines.

**YUBA CITY, Cal.**—Members of the Board of Supervisors of the Sutter County Farm Bureau and County Engineer Edward Von Geldern have returned from a trip through the Sacramento and San Joaquin Valleys, where they inspected road types.

Upon their return announcement was forthcoming that the delegation had decided that an oil macadam type of road would be constructed in Sutter County, when the \$810,000 recently voted in a good roads bond issue is spent.

The Supervisors will act in the matter at a meeting called for October 6th.

**BERKELEY, Alameda Co., Cal.**—The City Council has directed the City Engineer to prepare proceedings for the extension of Colusa avenue through to Hopkins street.

**BENICIA, Solano Co., Cal.**—The City Trustees have decided to extend the sewer along Eleventh street from its present terminus to the property owned by Lewis Parker, a distance of about 200 feet.

**SACRAMENTO, Cal.**—Plans for the improvement of K street between Twenty-first and Twenty-eighth Sts. are being completed by City Engineer Frank Miller and bids for the work will be called for the latter part of October.

**BERKELEY, Alameda Co., Cal.**—The City Council has awarded a contract to the Oakland Paving Co., 5090 Broadway, Oakland, for the improvement of Metcalf avenue from the north line of Jaynes street to the north line of Northlands Tract and the east one-half of Metcalf avenue from the south line of Vine street, northerly to a point 253 feet by grading, construction of redwood curbs and concrete gutters, macadamizing and surfacing same with oil and rock screenings. A. G. Briggs is City Clerk.

**NAPA, Napa Co., Cal.**—Two bids were received by the City Council for furnishing and delivering f. o. b. Napa, one carload of asphalt for use on the city streets:

The Standard Oil Co. offered to furnish a carload of 40 tons, at \$12.75 a ton f. o. b. in Richmond. A representative of the company explained that they would not furnish the carload f. o. b. in Napa because they would have to absorb the freight rate and the tax rate by so doing.

The Union Oil Co. offered to land the carload f. o. b. in Napa for \$14.05 per ton. Contract was awarded to the Union Oil Company.

**PHOENIX, Ariz.**—Until 10 A. M., Oct. 22, bids will be received by the City Clerk for constructing a reinforced concrete conduit, 1300 feet long and 7 feet diameter, involving 5350 cu. yds. excavation, 1900 cu. yds. borrow and haul, 800 cu. yds. concrete and 90,000 lbs. reinforcing steel. The bottom of the conduit will be about 13 ft. below ground. Plans and specifications may be obtained from the City Engineer on deposit for \$10. L. B. Hitchcock, Superintendent of Streets.

**RIVERSIDE, Riverside Co., Cal.**—County Surveyor Fulmer has been instructed by the Supervisors to prepare plans and specifications for paving the Corona end of the Corona-Elsinore highway for which \$25,000 will be available. Bids will be taken on both concrete and oil macadam pavement. Plans will also be made for improvements on the road from Elsinore to Wildoma. Supervisor Smith was authorized to proceed with the improvement of State street south of Hemet and also to start work on San Jacinto avenue and Seventh street.

**SAN FRANCISCO.**—The installation of a fire protection system in the Presidio is planned in the immediate future, according to E. A. Day, United States Senior Coast Engineer, who has been investigating the present system. It is estimated that \$200,000 will be expended which will increase the present water supply to more than 2,000,000 gallons daily. The present plans provide for the installation of fifty-five fire alarm boxes to connect with the city system.

**STOCKTON, San Joaquin Co., Cal.**—Bids will be received by A. L. Banks, City Clerk, up to 10:30 A. M., October 14th, for covering concrete pavement of the Waterfront of Stockton channel along north side of Block V, West of Center Street, with bitulithic wearing surface. Plans may be had from the City Clerk.

**EUREKA, Humboldt Co., Cal.**—City Engineer Hannah has completed plans and bids will be called shortly for the grading of Del Norte street from C to D streets and on A street from Hawthorne to Long streets.

Plans have also been completed for the construction of about 400 feet of concrete sidewalk for Highway avenue east of Myrtle street.

**SACRAMENTO, Cal.**—Only two bids were received by the State Highway Commission Sept. 29th for highway bridges.

Humboldt County, between Garberville and Miranda (I-Hum-1-B), reinforced concrete bridges at Station 94 and Dean Creek.

Engelhard Paving & Constr. Co., Eureka, \$21,742.

Tadgett & Kelly, Eureka, \$23,583.  
Engineer's estimate, \$117,125.

**SAN LEANDRO, Alameda Co., Cal.**—The City Trustees have passed a resolution of intention providing for the construction of a sewer in Peralta avenue. J. J. Gill is City Clerk.

**OLYMPIA, Wash.**—Following is a list of low bids received by the Washington State Highway Commission for highway improvements:

Olympic Highway (Clamma County), R. O. Wahlgren, Forks, Wash., \$20,932.

National Park Highway improvement in Pierce County: Torger Peterson, Eatonville, \$147,207.

Pacific Highway in King County (new Bothell Road), J. T. Smith, \$121,291.

Inland Empire Highway (Ellensburg to Roza), Rajotte, Robert & Winter, Spokane, \$198,533.

**TACOMA, Wash.**—The Pierce County Commissioners have approved working drawings for the construction of roads planned under the \$2,500,000 bond issue which will be held on October 10th.

**TULARE, Tulare Co., Cal.**—The City Board of Trustees has selected Rodney Berryhill as City Engineer and Superintendent of streets. He will succeed A. P. Bosworth.

**SACRAMENTO, Cal.**—The City Commissioners, M. J. Desmond, City Clerk, has awarded a contract to the Clark & Henery Constr. Co., Ochsner Bldg., Sacramento, for the improvement of "U" street from the east line of 31st street to the west line of 34th street, by constructing concrete curbs and gutters; concrete sidewalks; 2 concrete manholes with cast iron curbs and covers; placing 4 cast iron gutter drains connecting same to 6 inch vitrified ironstone sewer pipe; constructing 495 lin. ft. of 8-inch vitrified ironstone sewer pipe; grading and laying a hydraulic concrete base 4 inches thick with a bitulithic wearing surface 1½ inches thick.

**SAN FRANCISCO.**—The Supervisors will shortly pass an ordinance authorizing the Board of Public Works to enter into contracts for razing and reconstructing the premises of the James Irvine property at Marshall avenue and City Hall avenue for the purpose of improving the Civic Center

and extending Hyde street into Market.

**SACRAMENTO, Cal.**—The following awards have been made by the Advisory Board of the California State Department of Engineering on September 25th, 1913:

To Geo. R. Curtis, 2440 E-26th St., Los Angeles, Calif.:

For the construction of a section of State highway in Ventura County, Division VII-Route 2, Section C, (between Russel Ranch and the former easterly boundary, about 1.3 miles in length). \$25,600.

To W. A. Dontanville, of Salinas, Calif.:

For the construction of a section of State highway in San Joaquin County, Division III-Route 4, Section D (between Houston School and Northerly boundary, about 4.7 miles in length). \$56,890.50.

To Fred Hoffman, 111 E-12th St., Long Beach, Calif.:

For the construction of a section of State highway in Los Angeles County, Division VII, Route 23, Section E. (Between two miles north of Acton and Palmdale, about 8.6 miles in length). \$181,445.

**SAN MATEO, San Mateo Co., Cal.**—San Mateo has taken the first legal steps in calling an election to vote on issuing \$400,000 bonds for municipal water works. Olmsted & Gilleen, Hollingsworth Bldg., Los Angeles, Consulting Engineers.

**OAKLAND, Cal.**—Bids will be received by Jay B. Nash, Secretary of the Playground Commission, Room 401 City Hall, up to October 10, 9 A. M., for furnishing and delivering various supplies and for surfacing tennis courts and building work shop.

**SACRAMENTO, Cal.**—Following is a list of the bids received by the City Commissioners, M. J. Desmond, City Clerk, for the paving of "X" street from Tenth to Twentieth:

Chico Constr. Co., McGillivray Construction Co., and Clark & Henery Construction Co., approximately \$40,000.

A. Teichert & Son, Ochsner Bldg., Sacramento, approximately, \$38,000.

**SPOKANE, Wash.**—H. J. Doolittle, a State Highway Engineer in charge of state and federal highway construction in eastern Washington, has been selected by the Board of County Commissioners as special construction engineer for permanent highways under the \$3,250,000 county bond issue. He will receive a salary of \$450 per month.

**SANTA CRUZ, Santa Cruz Co., Cal.**—The bid of Crocker, Blanchard & Howell, 58 Second street, San Francisco, submitted to the Santa Cruz City Council for the improvement of Seabright avenue at \$47,267.57 has been rejected and new bids have been ordered received up to October 14th.

**BENICIA, Solano Co., Cal.**—O'Brien Bros., Martinez, have been awarded a contract for grading and road work in the vicinity of the Benicia Arsenal by the U. S. Government. The work will cost in the neighborhood of \$20,000.

## BUILDING CONTRACTS.

## Sacramento County.

## DWELLINGS

NO. 1900 THIRTY-FIFTH ST.; No. 3348 "S" St.; No. 3400, 3416, 3440 and 2001 "T" St., Sacramento. Six one-story 5-room frame dwellings.

Owner—C. H. Chatterton, 2118 28th St., Sacramento.

Architect—None.

Day's work. COST, \$4000 each

## ALTERATIONS

NO. 1028 "K" ST., Sacramento. Glass office partitions.

Owner—B. Frommer, 1030 "K" St., Sacramento.

Architect—None.

Contractor—Chas. Vanina, 2022 "M" St., Sacramento.

COST, \$2200

## ADDITION

NO. 2101 STOCKTON BLVD., Sacramento. Add one room and bath to residence.

Owner—M. Williamson, Premises.

Architect—None.

Contractor—C. J. Hopkinson, 1318 25th St., Sacramento.

COST, \$1100

## ADDITION

S ½ LOTS 7 AND 8, Q. R, 14th and 15th Sts., Sacramento. One and two story addition to baking plant.

Owner—Perfection Bread Co., 1731 14th Sts., Sacramento.

Architect—C. C. Cuff, Ochsner Bldg., Sacramento.

Contractor—Geo. L. Herndon, 914 "T" St., Sacramento, and Henry Finnigan, 1714 16th St., Sacramento.

Filed Sept. 25, '19. Dated Sept. —.

TOTAL COST, \$26,858

## RESIDENCES

NOS. 616 AND 620 THIRTIETH ST., Sacramento. Two two-story seven-room frame residences.

Owner—J. M. Inman, 700 30th St., Sacramento.

Architect—None.

Contractor—E. A. Carum, 2533 Portola St., Sacramento.

COST, \$4000 each

## RESIDENCE

NO. 2108 TWENTY-FIFTH ST., Sacramento. Frame residence.

Owner—H. R. Brown, 822 27th St., Sacramento.

Architect—None.

Contractor—E. A. Corum, 2533 Portola St., Sacramento.

COST, \$6500

## DWELLING

NO. 2528 FORTY-FIRST ST., Sacramento. One-story 5-room frame dwelling and garage.

Owner—C. S. Mibrey, 34 Pine St., Sacramento.

Architect—None.

Day's work. COST, \$3200

## LIENS FILED.

## Sacramento County.

Recorded	Amount
Sept. 30, 1919—NO. 620 "K" ST., Sacramento. Frank Dixon (as Frank Dixon Painting Co) vs Kate Tur-	
ton et al .....	\$584.75

SAN FRANCISCO.—The Street Committee of the Board of Supervisors has recommended the immediate improvement of the following streets, the estimate cost of which is \$200,000.

Bay street between Columbus avenue and Embarcadero; Bryant between Third and Eighth; Brannan between Sixth and Tenth; Clara between Fourth and Sixth; Drumm from Clay to Sacramento; Eighteenth from Howard to Folsom; Fremont from Market to Mission; Jackson from Sansome to Battery; Minna from First to Third; Perry from Third to Fourth; Sheridan from Ninth to Tenth; Sixteenth from Folsom to Harrison.

The Board of Public Works has commenced proceedings for the improvement of the following streets:

Silver avenue from Vienna to Cambridge, with a sidewalk on the north side of Silver avenue, estimated cost, \$12,575; paving of Quesada avenue from Newhall to Railroad avenue, estimated cost, \$20,320.

SACRAMENTO, Cal.—Two bids were received by the City Commissioners for the improvement of 21st street from Y to Second avenue as follows:

Clark & Henery Constr. Co., Ochsner Bldg., Sacramento, approximately \$25,000.

McGillivray Constr. Co., Capitol National Bank Bldg., Sacramento, approximately \$20,000.

## TEM AND PUMPING STATION.

NEWPORT BEACH, Orange Co., Cal.—Until 7:30 P. M., October 20, bids will be received by City Clerk Geo. P. Wilson for constructing a cement pipe sewer system, three reinforced concrete pumping stations with motors, pumps and appurtenances designated as pumping stations Nos. 1, 2 and 3 and a reinforced concrete septic tank and sludge beds in accordance with plans and specifications prepared by City Engineer Paul Kressley. The work will be done under the Vrooman act. No bids were received under the call for proposals to be submitted on September 29.

SANTA ROSA, Sonoma Co., Cal.—Bids have been ordered received by the County Supervisors up to October 15th for the construction of 8.9 miles of county highway between Petaluma and Valley Ford.

SAN FRANCISCO.—The following bids were received by the Board of Public Works for the improvement of Bromington avenue between Joost and Bosworth Streets:  
Hanchard, Crocker & Howell, \$4,257.40  
Pay Improvement Co., 4,093.12  
Laesch Improvement Co., 3,734.11

RICHMOND, Contra Costa Co., Cal.—Bids will be received by City Clerk A. C. Faris up to 8 P. M., October 14th, for the improvement of portions of the southeast side of Santa Fe avenue by grading and paving with 4 inch cement concrete; construction of cement concrete curbs and gutters and redwood liners; 375 feet of 4 inch lateral sewers with Y branches and side sewer connections of standard, salt glazed, vitrified sewer pipe, lamp-holes, etc.

HANFORD, Kings Co., Cal.—Bids will be received by J. A. Crawshaw, Clerk of the Board of Trustees of the Hanford School District up to October 15th, 2 P. M., at Rooms 2 and 3, Bissell Block, Hanford, for the construction of a cement sidewalk 6 feet wide, along the east side of Lots 1, 2, 3 and 4, Block "D" of Noel's Addition.

RICHMOND, Contra Costa Co., Cal.—The City Council has passed resolution No. 365 providing for the changing and establishments of certain curb grades on Wall avenue. A. C. Faris is City Clerk.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have awarded a contract to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento, for the improvement of Twenty-first street from the north line of Y street to Freeport Boulevard by constructing concrete curbs, gutters and sidewalks, 6 feet wide and 3½ inches thick; construction of 1 concrete manhole with cast iron curb and cover; placing 9 cast iron gutter drains and connection of same to an 8 inch vitrified ironstone pipe sewer, grading and paving with a hydraulic concrete foundation 4 in. thick and a bitulith wearing surface 1½ inches thick.

SAN BERNARDINO, Cal.—H. H. Lineau, of Redlands, was awarded the contract at about \$15,500 for paving Mt. Vernon avenue in the city of San Bernardino, between Fifth street and North City limits, involving 117,700 sq. ft. 4-inch concrete pavement at 7c sq. ft.; county to furnish sand, rock and cement. Others bids were: R. T. Shea Co., 7½c sq. ft.; W. D. Bohan, 7.2c sq. ft. Edgar T. Ham, County Surveyor.

UPLANDS, San Bernardino Co., Cal.—W. C. Cline of Upland, was awarded the contract by the County Supervisors at about \$10,500 for paving Nineteenth street, in the city of Upland, involving 2151 cu. yds earth excavation at 75c cu yd., 50 cu. yds. apron walls at 30c cu. ft., 75,160 sq. ft. 3-in. concrete pavement at 8c sq. ft.; county to furnish cement. No other bids received.

## RAILROADS

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy is completing plans for the construction of a loop for the Municipal Railway system at the Presidio. The loop is being constructed at the request of the military authorities.

## EXPORTERS TO CHINA WARNED OF NEW ORDER.

WASHINGTON, D. C.—After October 30, the Chinese Maritime Customs will not pass a cargo unless it is accompanied by invoices and other documents. The American Chamber of Commerce in China has asked that this information be given exporters, who are urged to mail invoices so that they may arrive with the cargo, and avoid criticism of American trade methods at this time.



# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS. ....

#### San Francisco County

The following is an index for the contracts for this issue:

097	Allred	Allred	9000
098	Quigley	Quigley	4000
099	McKee	Coggins	2000
100	Hartford	Hartford	400
101	Henry	Burns	450
102	Faulkner	Durham	985
103	Battaglia	Costello	2800
104	Same	Frank	1075
105	Holbrook	Maundrell	1190
106	Nelson	Nelson	7500
107	Nelson	Nelson	7500
108	Nelson	Nelson	6500
109	Leonard	Leonard	6500
110	Knapp	Petersen	1800
111	Haggard	Haggard	1000
112	Eva	Wilhelm	850
113	Freedman	Pink	450
114	Gallenkamps	Fink	500
115	Price	Duncan	500
116	Com Center Bldg	Moller	650
117	Stocks	Moore	570
118	Pollisen	Collingwood	450
119	Mazeris	Bourdieu	985
120	Franzoi	Trevia	46700
121	Pac G&E	Steel T&P Co	1370
122	Socco	Simmon	8000
123	Merchants Ice	Larsen	5000
124	Spingola	MacRae	4000
125	Friend	Friend	500
126	Arch	Todhunter	400
127	Archer	Archer	900
128	Wo Jen	Wo Jen	600
129	Fepin	Arnott	2768
130	Chiapellone	Warden	7137
131	Crocker	Samuelson	5900
132	Ruchler	Otten	490
133	Ast	Ast	950
134	Wise	Gilley	650
135	De Neif	DeNeif	400
136	Harris	Eibel	400
137	Goldberg	Eureka	1850
138	Mission Ter	Lewis	9450
139	Giacobbi	Lechner	20000
140	Morris	Wolfender	5500
141	Papaniropoulos	Partidos	450
142	Moeller	Leigh	4000
143	Heulter	Leigh	4000
144	Woechter	Mudrick	500
145	Ferran	Salanave	725
146	Freund	Sockolov	450
147	Plechot	Plechot	400
148	Urban	Duncan	9000
149	Hohneman	Hohneman	1600
150	Klahn	Klahn	2500
151	Ryan	Ryan	1500
152	Anderson	Anderson	2800
153	Crocker	Crocker	400
154	Knarston	Knarston	500
155	Fleishacker	Robinson	400
156	Owl Drug Co	Nagle	510
157	Eureka	Eureka	1000

#### DWELLINGS

(2087) N ANZA 75, 96-6, and 118 E 26th Ave. Three one-story and basement frame dwellings.  
Owner—C. S. Allred, 150 Onondaga Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$3000 each

#### DWELLING

(2098) E THIRTY-SIXTH AVE 275 N Geary. Two-story and basement frame dwelling.  
Owner—J. T. Quigley, 628 Masonic Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$4000

#### ALTERATIONS

(2099) NO 3456 VASHINGTON. General alterations to dwelling.  
Owner—John McKee, Premises  
Architect—None.

Contractor—L. M. Coggins, 115 Turk, San Francisco.

COST, \$2000

#### ADDITION

(2100) NO. 430 CALIFORNIA. Addition of lunch room.  
Owner—Hartford Accident Indemnity Company.  
Architect—Ward & Blohme, 454 California, San Francisco.  
Day's work. COST, \$400

#### GARAGE

(2101) NO. 855 QUINTARA. One-story frame private garage.  
Owner—W. P. Henry, 554 11th Ave., San Francisco.  
Architect—None.  
Contractor—John Bruns, 2281 Green, San Francisco.

COST, \$450

#### ALTERATIONS

(2102) NO. 558 SEVENTH AVE. Raise dwelling, etc., for basement garage.  
Owner—Geo. Faulkner, Premises.  
Architect—None.  
Contractor—F. J. Durham, 1443 Fillmore, San Francisco.

COST, \$985

#### FRAME STORE BLDG.

(2103) NE CORTLAND AVE 56.08 SE Moultrie SE 28.04 N 63.03 N 28 S 67.39 m. or 1 Ptn Lots 280 and 281 Gift Map No. 1. All work except grading and concrete for one-story frame store building.

Owner—John and Grace Battaglia.  
Architect—C. O. Clausen, Hearst Bldg., San Francisco.  
Contractor—S. Costello.  
Filed Sept. 29, '19. Dated Sept. 22, '19.  
Frame up ..... \$700  
Brown coated ..... 700  
Completed and accepted ..... 700  
Usual 35 days ..... 700

TOTAL COST, \$2800

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

#### (2104) CONCRETE WORK ON ABOVE

Contractor—Carl Frank, 305 Bocana, San Francisco.  
Filed Sept. 29, '19. Dated Sept. 22, '19.  
Grading finished ..... \$400  
Work completed ..... 400  
Usual 35 days ..... 275  
TOTAL COST, \$1075  
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

#### PAINTING

(2105) NW VAN NESS AVE AND Washington W 123xN 71-834. All work for painting of residence and out buildings.  
Owner—Chas. Holbrook.  
Architect—Nathaniel Blaisdell, 255 California, San Francisco.  
Contractor—H. Maundrell & Co., 180 Jessie, San Francisco.  
Filed Sept. 29, '19. Dated Sept. 25, '19.  
All surfaces primed ..... \$442  
Completed and accepted ..... 450

Usual 35 days ..... 298

TOTAL COST, \$1190

Bond, \$595. Surety, Royal Indemnity Co. Limit, 30 days. Forfeit, \$10. Specifications only filed.

#### BUNGALOW

(2106) LOT 2, BLK. 3133, Westwood Park. All work for a one-story frame bungalow.  
Owner—Hans Nelson.  
Architect—Chas. F. Strothoff, 2276 15th, San Francisco.

Contractor—Nelson Bros., 30 Northwood Drive, San Francisco.  
Filed Sept. 29, '19. Dated Sept. 29, '19.  
Frame up and enclosed ..... \$1875  
Brown coated ..... 1875  
Completed and accepted ..... 1875  
Usual 35 days ..... 1875

TOTAL COST, \$7500

Bond, \$3500. Sureties, Chas. Monson and Edward T. Peterson. Forfeit, none. Limit, 90 days. Plans and specifications filed.

#### BUNGALOW

(2107) LOT 3, BLK. 3133, Westwood Park. All work for one-story frame bungalow.  
Owner—Hans Nelson.  
Architect—Chas. F. Strothoff, 2276 15th, San Francisco.

Contractor—Nelson Bros., 30 Northwood Drive, San Francisco.  
Filed Sept. 29, '19. Dated Sept. 29, '19.  
Frame up and enclosed ..... \$1875  
Brown coated ..... 1875  
Completed and accepted ..... 1875  
Usual 35 days ..... 1875

TOTAL COST, \$7500

Bond, \$3500. Sureties, Chas. Monson and Edward T. Peterson. Forfeit, none. Limit, 90 days. Plans and specifications filed.

#### BUNGALOW

(2108) W PLYMOUTH AVE. 27.546 from NE cor. lot 15, blk. 3177, Westwood Park. N 77 deg. 22 min. 52 sec., W 94.356, N 35.123, S 79 deg. 1 min, 36 sec. E 95.248, S 38.454. Ptn lots 14 and 15, Blk. 3177, Westwood Park. All work for a one-story frame bungalow.

Owner—Hans Nelson.  
Architect—Chas. F. Strothoff, 2276 15th, San Francisco.  
Contractor—Nelson Bros., 30 Northwood Drive, San Francisco.

Filed Sept. 29, '19. Dated Sept. 29, '19.  
Enclosed ..... \$1625  
Brown coated ..... 1625  
Completed and accepted ..... 1625  
Usual 35 days ..... 1625

TOTAL COST, \$6500

Bond, \$3250. Sureties, Chas. Monson and Edward T. Peterson. Forfeit, none. Limit, 90 days. Plans and specifications filed.

#### FRAME DWELLING

(2109) W VICTORIA 260 N Holloway. Two-story and basement frame dwelling.  
Owner—Geo. L. Leonard Co., 666 Phelan Bldg., San Francisco.

Architect—Jos. A. Leonard, 666 Thelan Bldg., San Francisco.  
Day's work. COST, \$6500

## HEATING PLANT, ETC.

(2110) NO. 126 VALLEJO. Install steam heating plant and build boiler room.

Owner—Mrs. M. Knapp and Miss M. Minger, Premises.

Architect—Faulkes & Hildebrand, Crocker Bldg., San Francisco.

Contractor—H. Petersen Co., 710 Larkin, San Francisco.

COST, \$1800

## ALTERATIONS

(2111) NO. 126 ELLIS. Alter restaurant front, erect partitions; concrete floor; plumbing; painting, etc.

Owner—C. H. Haggard, Lessee, 627 Taylor, San Francisco.

Architect—None.  
Day's work. COST, \$1000

## ALTERATIONS

(2112) NO. 1251-53 MARKET. Alter store.

Owner—W. J. Eva, 406 Front, S. F.

Architect—W. H. Toepke, 942 Market, San Francisco.

Contractor—A. H. Wilhelm, 180 Jessie, San Francisco.

COST, \$850

## ALTERATIONS

(2113) NO. 68 MARKET. Alter show windows.

Owner—A. S. Freedman, 53 Market, San Francisco.

Architect—None.

Contractor—Fink & Schindler Co., 226 13th, San Francisco.

COST, \$450

## SHOW CASE

(2114) NO. 747 MARKET. Erect show case.

Owner—Gallenkamps Shoe Co., 702 Market, San Francisco.

Architect—None.

Contractor—Fink & Schindler Co., 218 13th, San Francisco.

COST, \$500

## REPAIRS

(2115) NO. 1156 TURK. Repair roof

Owner—Sam Price, Premises.

Architect—None.

Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

COST, \$500

## ALTERATIONS

(216) NO. 508 KERANY. Alter store front.

Owner—Commercial Center Realty Co., 916 Kearny, S. F.

Architect—None.

Contractor—R. W. Moller, 614 Call Bldg., San Francisco.

COST, \$650

## RETAINING WALL

(2117) NO. 3010 CLAY. Retaining wall.

Owner—Mr. Stocks, 18th Ave. near California, San Francisco.

Architect—None.

Contractor—J. K. Moore, 218 19th Ave., San Francisco.

COST, \$570

(2118) NE COLLINGWOOD AND 18th Concrete work, etc., for store.

Owner—E. Pollixen, 91 Collingwood, San Francisco.

Architect—W. R. McCulloch, 3951 18th St., San Francisco.

Contractor—Collingwood - Hall, 4150 18th, San Francisco.

COST, \$450

## ALTERATIONS

(2119) NO. 205 CHATTANOOGA. General alterations.

Owner—M. Mazeris, 3743 23rd St., San Francisco.

Architect—None.

Contractor—G. B. Bourdieu, 804 Potrero Ave., San Francisco.

COST, \$965

## APARTMENTS

(2120) NW OCTAVIA AND BROADWAY N 100xW 37-6. All work except elevator machine and two dumb waiters for three-story and basement frame apartment building (6 apartments).

Owner—Charles Franzoi, Ross Valley, Calif.

Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.

Contractor—G. Trevia, 300 Bay St., San Francisco.

Filed Sept. 30, '19. Dated Aug. 14, '19.

On 1st of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$46,700

Bond, \$21,492.50. Sureties, Angelo V. Garassino and D. Trevia. Limit, 120 days after Sept. 25. Forfeit, none.

Plans and specifications filed.

## BREECING

(2121) BLK BDED BY TWENTY-third, Georgia, Louisiana and Humboldt. Breecing for a B. & W. boiler at Station "A"

Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.

Architect—None.

Contractor—The Steel Tank & Pipe Co., 268 Market St., San Francisco.

Filed Sept. 30, '19. Dated Sept. 15, '19.

On completion..... 75%

Usual 35 days..... 25%

TOTAL COST, \$1370

Bond, \$700. Surety, Globe Indemnity Co. Limit, 21 days. Forfeit, none.

Plans and specifications filed.

## ALTERATIONS

(2122) NOS. 10-16 MARKET. Alter for restaurant.

Owner—Rococo Cafe Inc., 10 Market, San Francisco.

Designer—John Simmen.

Contractor—John Simmen, 64 Rausch, San Francisco.

COST, \$8000

## ENGINE ROOM

(2123) MONTGOMERY (SANSOME), Lombard and Greenwich. One-story brick engine room.

Owner—Merchants Ice & Cold Storage Co., Lombard and Battery, S. F.

Architect—None.

Contractor—Larsen Bros., Lick Bldg., San Francisco.

COST, \$5000

## FRAME FLATS

(2124) S GREENWICH 137-6 E Broderick. Two-story and basement frame (2) flats.

Owner—A. Spingola, 569 Filbert St., San Francisco.

Designer—A. S. MacRae, 655 Moraga, San Francisco.

Contractor—A. S. MacRae, 655 Moraga, San Francisco.

COST, \$4000

## ALTERATIONS

(2125) NO. 1500 FIFTH AVE (South) Raise roof, etc., for slaughter house.

Owner—H. Friend.

Architect—None.

Day's work. COST, \$500

## ALTERATIONS

(2126) NO. 1465 HAIGHT. Alter store front.

Owner—F. E. Palmer, Russ Bldg., San Francisco.

Architect—None.

Contractor—Geo. C. Todhunter, 1088 Ashbury, San Francisco.

COST, \$400

(2127) NO. 3960 MISSION. Extend store building.

Owner—G. E. Archer, Premises.

Architect—None.

Day's work. COST, \$900

## ALTERATIONS

(2128) NO. 1035 GRANT AVE. Install ice box and alter for smoke house.

Owner—Wo Jen Co., Premises.

Architect—None.

Day's work. Cost, \$600

## FRAME RESIDENCE

(2129) NE REVERE AVE 206-3 SE Lane SE 56-3xNE 100. Concrete walls, carpenter work, electric work, etc., for one-story and basement frame residence.

Owner—Mrs. P. Pepin, 1236 Mason St., San Francisco.

Architect—Erwin Reichel, 3243 23rd St., San Francisco.

Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.

Filed Oct. 1, '19. Dated Sept. 30, '19.

Frame up.....\$692

Brown coated.....692

Completed and accepted.....692

Usual 35 days.....692

TOTAL COST, \$2768

Bond, none. Limit, 90 days after Oct. 20. Forfeit, none. Plans and specifications filed.

## FLATS

(2130) S FILBERT 102 E Gough E 25 xS 137-6. All work except finish hardware, shades and chandeliers for two-story and basement frame (2) flats.

Owner—Louis Chiappellone and Ernest Vigo, 1860 Lombard, San Francisco

Architect—J. A. Porporato, 619 Washington, San Francisco.

Contractor—Fred Warden, 354 Sussex, San Francisco.

Filed Oct. 1, '19. Dated Sept. 29, '19.

Rough frame up.....\$1500

Brown coated.....1700

Completed and accepted.....1800

Usual 35 days.....2137

TOTAL COST, \$7137

Bond, \$3600. Sureties, O. Monson and Chas. Monson. Limit, 90 days. Forfeit, \$2. Plans and specifications filed.

## DWELLINGS

(2131) N SEVILLE 240 and 266 W Cordova. Two one-story and basement frame dwellings.

Owner—Crocker Sstate Co., Crocker Bldg., San Francisco.

Architect—None.

Contractor—A. M. Samuelson, 290 Rolph, San Francisco.

COST, \$2950 each

**ADDITION**  
(2132) SW GEARY AND TWENTY-fifth Ave. Add for store room.  
Owner—James Buchler, 446 16th Ave., San Francisco.  
Architect—None.  
Contractor—H. P. Otten, 555 25th Ave., San Francisco.

COST, \$490

**REPAIRS**  
(2133) S SIXTEENTH 50 E Sanchez. Repairs and alterations to three-story frame flats.  
Owner—Mrs. Anna Ast, Cr. Mrs. Berth Ast, 402 Post Office Bldg., S. F.  
Architect—Wm. A. Newman, 402 Post Office Bldg., San Francisco.  
Day's work.

COST, \$950

**STEAM BOILER**  
(2134) NO. 2463 JACKSON. Install low pressure steam boiler.  
Owner—J. Wise, Premises.  
Architect—None.  
Contractor—Gillespie Schmid Co., Otis, San Francisco.

COST, \$650

**ADDITION**  
(2135) NO. 1421 FORTY-EIGHTH Ave. Add 2 rooms to dwelling.  
Owner—Leo DeNelf, Premises.  
Architect—None.  
Day's work.

COST, \$400

**REPAIRS**  
(2136) NO. 2023 FOLSOM. Repair and install plumbing.  
Owner—A. Harris & Co., 348 Washington, San Francisco.  
Architect—None.  
Contractor—L. D. Eibel, 2853 Buchanan, San Francisco.

COST, \$400

**GRADING, ETC.**  
(2137) N POST bet. Hyde and Leavenworth adj. garage at 840 Post on East. Grading, bulkheading, etc., of lot.  
Owner—Goldberg Bowen & Co., 254 Sutter, San Francisco.  
Architect—S. Heiman, 57 Post St., San Francisco.  
Contractor—The Eureka Teaming Co., 1818 Green, San Francisco.  
Filed Oct. 2, '19. Dated Sept. 30, '19.  
Completed and accepted.....\$1387.50  
Usual 35 days.....462.50  
TOTAL COST, \$1850.00  
Bond, none. Limit, 15 days. Forfeit, plans and specifications, none.

**DWELLINGS**  
(2138) LOTS 1 AND 2 BLK "N." Mission Terrace. All work for three one-story frame dwellings.  
Owner—Mission Terrace Co. (a corp.), 318 Kearny, San Francisco.  
Architect—H. C. Baumann, 251 Kearny San Francisco.  
Contractor—H. C. Lewis, 68 Post, S. F.  
Filed Oct. 2, '19. Dated Sept. 29, '19.  
Frame up and enclosed with wall and roof sheathing.....\$2362.50  
Brown coated.....2362.50  
Completed and accepted.....2362.50  
Usual 35 days.....2362.50  
TOTAL COST, \$9450.00  
Bond, \$4725. Sureties, Myer Friedman and W. H. Malott. Limit, forfeit, none. Plans and specifications filed.

**ADDITION**  
(2139) E SECOND 127 S Harrison. Two additional stories for lofts.

Owner—L. A. Giacobbi, 233 Post St., San Francisco.  
Architect—Edw. G. Bolles, 233 Post St., San Francisco.  
Contractor—Peter Lechner, 447 2nd St., San Francisco.

COST, \$20,000

**FRAME DWELLING**  
(2140) W THIRD AVE bet. Fulton and Cabrillo. One-story frame dwelling.  
Owner—Mrs. H. H. Morris, Chancellor Hotel, San Francisco.  
Architect—None.  
Contractor—Geo. Wolfenden, 827 Waller, San Francisco.

COST, \$5500

**ALTERATIONS**  
(2141) NO. 303 THIRD. Alter restaurant front.  
Owner—G. Papanriopoulos, Premises.  
Architect—None.  
Contractor—S. Partidos, 433 23rd Ave., San Francisco.

COST, \$450

**FRAME DWELLING**  
(2142) E TWENTY-SECOND AVE & Anza. Two-story and basement frame dwelling.  
Owner—G. Moeller, 24th Ave and Clement, San Francisco.  
Architect—None.  
Contractor—David Leigh, 840 44th Ave., San Francisco.

COST, \$4000

**FRAME DWELLING**  
(2143) E TWENTY-SECOND AVE 50 S Anza. Two-story and basement frame dwelling.  
Owner—J. Heultter, 751 47th Ave., San Francisco.  
Architect—None.  
Contractor—David Leigh, 840 44th Ave San Francisco.

COST, \$4000

**ALTERATIONS**  
(2144) SW OAK AND SHRADER. Concrete floor, etc., for store and garage.  
Owner—Herman Wechter, 2001-3 Oak, San Francisco.  
Architect—None.  
Contractor—Louis Mudrick, 520 Charter Oak, San Francisco.

COST, \$500

**ALTERATIONS**  
(2145) NO. 2843-45 CLAY. Alter front, etc., for laundry.  
Owner—Mrs. A. Ferran, 2845 Clay St., San Francisco.  
Architect—None.  
Contractor—J. Salanave, 931 Pacific, San Francisco.

COST, \$725

**REPAIRS**  
(2146) S McALLISTER 75 E Fillmore. Repair fire damage; tar and gravel roof.  
Owner—H. Freund, Premises.  
Architect—None.  
Contractor—J. Sockolov, 2558 Clay St., San Francisco.

COST, \$450

**ALTERATIONS**  
(2147) NO. 1834 EGBERT. Raise and alter dwelling.  
Owner—Caliste Plechot, Premises.  
Architect—None.  
Day's work.

COST, \$400

**FRAME DWELLING**  
(2148) W VICTORIA 129 S Ocean Ave. Two-story and basement frame dwelling.  
Owner—Urban Realty Imp. Co., 85 Cerritos Ave., San Francisco.  
Architect—C. E. Gottschalk, 958 Phelan Bldg., San Francisco.  
Contractor—W. C. Duncan & Co., 205 Sharon Bldg., San Francisco.

COST, \$9000

**FRAME DWELLING**  
(2149) E LEE 50 N Holloway. Two-story and basement frame dwelling.  
Owner—Wm. Hohneman, 291 17th, San Francisco.  
Architect—None.  
Day's work.

COST, \$1600

**FRAME DWELLING**  
(2150) NW CHENERY & WHITNEY. One-story and basement frame dwlg  
Owner—A. Klahn, 27 Chenery, S. F.  
Architect—None.  
Day's work.

COST, \$2500

**FRAME DWELLING**  
(2151) W EDINBURGH 175 N France. One-story and basement frame dwlg.  
Owner—John G. Ryan, 2844 Army St., San Francisco.  
Architect—None.  
Day's work.

COST, \$1500

**FRAME DWELLINGS**  
(2152) E BERTITA 405 and 432½ N Mohawk. Two one-story and basement frame dwellings.  
Owner—K. Anderson, 204 Lee Ave., San Francisco.  
Architect—None.  
Day's work.

COST, \$1900 each

**ALTERATIONS**  
(2153) NO. 321 BUSH. Alter partitions.  
Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.  
Architect—None.  
Day's work.

COST, \$400

**FRAME GARAGE**  
(2154) NO. 1030 CAPP. One-story frame garage.  
Owner—E. S. Knarston, 1012 Capp St., San Francisco.  
Architect—None.  
Day's work.

COST, \$500

**ALTERATIONS**  
(2155) NO. 348 GRANT AVE. Alter front and erect partitions.  
Owner—M. Fleishacker, 14 Sansome, San Francisco.  
Architect—None.  
Contractor—Robinson & Gillespie, 1051 Sutter, San Francisco.

COST, \$400

**ALTERATIONS**  
(2156) NO. 657 MISSION. Erect metal lath and plaster partitions.  
Owner—The Owl Drug Co., Premises.  
Architect—None.  
Contractor—N. L. Nagle, 180 Jessie, San Francisco.

COST, \$510

**SHED**  
(2157) NO. 1715 MISSION. Erect drying shed.  
Owner—Eureka Sash, Door & Mills, Premises.  
Architect—None.  
Day's work.

COST, \$1000

## COMPLETION NOTICES.

## San Francisco County

Oct. 3, 1919—E FIFTEENTH AVE  
276 S Balboa S 25xE 127. Emil  
Nelson to whom it may concern.  
.....Oct. 2, 1919—E FIFTEENTH AVE 175 E 2  
Broderick E 25XS 137-E Walter  
S Oliver to whom it may concern  
.....Oct. 3, 1919—LOT 19 BLK Crocker  
Amazon Tract SW Newton about  
25 SE Rolph. Carl Nyman to whom  
it may concern. ....Oct. 3, 1919  
Oct. 2, 1919—E FIFTEENTH AVE 89  
N Anza N 25xE 126. George N  
Hein to whom it may concern.  
.....Sept. 23, 1919  
Oct. 2, 1919—E TWENTY-THIRD AVE  
224 N California. Grace Blanchard  
to J Harold Johnson. ....Sept. 25, 1919  
Oct. 2, 1919—N 16.5 FEET LOT 19  
and S 17.75 feet Lot 27; S 22 feet  
Lot 28 and N 12.25 Lot-27 BLK 3174,  
Westwood Park. Hilding Anderson  
to Anderson & Johnson. ....Oct. 2, 1919  
Sept. 30, 1919—N CARRILLO 25 E  
26th Ave 15XN 100. Wm. J. Gar-  
rich to whom it may concern.  
.....Sept. 12, 1919  
Oct. 1, 1919—N FULTON 72-E 16th  
Ave E 20X E 175. Margaretta J  
Koenig to whom it may concern.  
.....Sept. 25, 1919  
Oct. 1, 1919—E PALM AVE 190 N  
Geary N 32-4XE 120 E Palm Ave  
254-S N Geary N 32-4XE 120. Percy  
D Tyler to whom it may concern  
.....Oct. 1, 1919  
Sept. 30, 1919—N BRYANT 100 W  
4th — 200 N 150 E 200 S 150.  
Sharon Estate Co to Barrett &  
Hill. ....Sept. 30, 1919  
Sept. 25, 1919—W TWENTY-SECOND  
Ave 274-5 N Cabrillo N 25XW 120.  
George A Bertram to Thomas E  
Moller. ....Sept. 25, 1919  
Sept. 29, 1919—SW POST & SHAN-  
NOS S 137-E W 104-E N 77-E W 20  
N 60 — 124-E J. H. H. H. H. H.  
whom it may concern. ....Sept. 19, 1919  
Sept. 27, 1919—W 1/2 LOT 18 BLK 26  
and all Lot 19 BLK 26, Crocker  
Amazon Tract. Crocker Estate Co  
to Clarence D Bevier and Robt A  
McAfee. ....Sept. 26, 1919

## LIENS FILED.

## San Francisco County.

Oct. 3, 1919—NOS. 287-289 HICKORY  
Ave and 286-288 Oak J. J. Mad-  
den vs Mrs R. A. McLoughlin. Mrs  
Mary E Hartmannsen, Jno C Mad-  
den, Wm J Madden, Kathryn J and  
Jno Madden vs J. J. Madden. ....\$264.40  
Oct. 3, 1919—S BUSH 112-6 E Hyde  
E 25XS 88. Progress Woodwork-  
ing Co vs D J Clancy. ....\$105  
Oct. 3, 1919—S BUSH 112-6 E Hyde E  
25XS 88. H. A. Norman (as F G  
Norman & Sons) vs D J Clancy. ....\$173.70  
Oct. 3, 1919—E NAPLES 125 N Rus-  
sia Ave 25X100. The Greater City  
Lumber Co vs Jas M Inlow and R.  
L. Wilson. ....\$22.20  
Sept. 25, 1919—SW BUSH & TRINITY  
W 30XS 68-9. San Francisco Lum-  
ber Co vs Mary Sophia Sullivan,  
Moyer and Graham and J S Bogart  
.....\$487.39  
Sept. 24, 1919—W OCTAVIA 120 S  
Fine S 65 W 100 N 30 W 37-E N 35  
E 137-E. A Caldwell vs Jennie A  
Countryman. ....\$180.19  
Sept. 20, 1919—LOT 28 BLK 3163,  
Westwood Park. Edward L. Rob-  
erts vs Gottfried Schlenker. ....\$60

## NOTICE OF NON-RESPONSIBILITY.

## San Francisco County

Sept. 30, 1919—NW MARKET AND  
Battery. Mary L. Phelan as to im-  
provements on leased property.  
Sept. 30, 1919—NE GOLDEN BAY &  
Gough N 120XE 127-E Eva Kohn  
as to improvements on leased  
property.  
Oct. 2, 1919—W FOURTH E 25 and  
SW 200XNW 50. Bernard  
Chicorp as to improvements on  
leased property.

## BUILDING CONTRACTS.

## Alameda County.

3047	Goranson	7000
3047	Greene	1000
3049	Hobbs	4000
3050	Locke	3000
3051	Hinch	500
3052	Rankin	668
3053	Russell	8416
3054	Sellers	2580
3055	Manzie	3000
3056	Hell	405
3057	Moore	3000
3058	Cox	998
3059	Robinson	2000
3060	Barlascini	1000
3061	Newberg	1500
3062	Rexford	1400
3063	Wagner	1400
3064	Chin Wo	4000
3065	Macaroni Fac	900
3066	Grewell	Owner
3067	Anderson	500
3068	Gasper	Phillips
3069	Johnson	Lundberg
3070	McCracken	McCracken
3071	Jacobsen	7500
3072	Lindquist	Owner
3073	Hammer	Muller
3074	Sullivan	Chiffon
3075	Same	Same
3076	Same	Same
3077	Larsen	Larsen
3078	Marchant	Owner
3079	Seofield	Ernsberger
3080	Craddoek	Minor
3081	Henry	475
3082	Caelsenius	Kochendorfer
3083	Delleves	Randlett
3084	Noble	Noble
3085	Haley	Fish
3086	Borle	Borle
3087	Glaskow	Laing
3088	Palmer	Petersen
3089	Peterson	1500
3090	McIntyre	Parker
3091	Halich	Bratselo
3092	Fair	Doss
3093	Pavert	Pavert
3094	Same	Same
3095	Same	Same
3096	Same	Same
3097	Beach	Beach
3098	G W Brevery	Malley
3099	Hende	Brown
3100	Capwell	Leitter
3101	Silva	Silva
3102	Burnham	MacGregor
3103	Powell	Powell
3104	Goccevoli	Owner
3105	Salvation Army	Owner
3106	Reeves	Bassett
3107	Bischoff	Bischoff
3108	Hooper	Peterson
3109	Amer R R Ex	Butler
3110	Tribuna	Donbrink
3111	King Rlty	Vaughn
3112	Woodard	Woodard
3113	Knight	Beckhorst
3114	Reeves	Bassett
3115	Heltmann	Schwalb

(3047) W THOMAS 225 and 266 S  
Monroe, Oakland. Two one-story 5-  
room dwellings.  
Owner—J. S. Goranson, 3435 Peralta  
Ave., Oakland.  
Architect—None.  
Day's work. COST, \$3500 each

(3048) S CALMAR AVE 200 E Viona.  
Oakland. One-story 6-room dwlg.  
Owner—Coit Investment Co., 306 14th,  
Oakland.  
Architect—None.  
Contractor—Roger Coit, 306 14th, Okd.  
COST, \$4000

(3049) E KINGSLEY 200 S E-37th,  
Oakland. One-story 6-room dwlg.  
Owner—H. W. Holbs, 3608 Kingsley,  
Oakland.  
Architect—None.  
Day's work. COST, \$3525

(3050) S QUIGLEY 90 W 38th Ave.,  
Oakland. One-story 5-room dwlg.  
Owner—W. H. Locke, 2811 Quigley,  
Oakland.  
Architect—None

Contractor—Thad M. Tupper, 2310  
Russell, Berkeley.  
COST, \$3000

(3051) NO. 2841 MYRTLE, Oakland.  
Alterations.  
Owner—J. H. Hinch, 1707 Broadway,  
Oakland.  
Architect—None.  
Day's work. COST, \$500

(3052) NE FIFTY-EIGHTH & GENOA  
Oakland. Garage.  
Owner—C. A. Ranhut, Premises.  
Architect—None.  
Contractor—A. A. Church, 859 58th,  
Oakland.  
COST, \$668

(3053) N SANTA CLARA AVE. 50 W  
Willow, N 140XW 50, Alameda. All  
work for one-story and basement  
dwelling and garage.  
Owner—Elbridge F. Russell, 2149  
Santa Clara Ave., Alameda.  
Architect—Frank W. Dakin, 310 Cali-  
fornia, San Francisco.  
Contractor—Fred Miller, 225 Dolores,  
San Francisco.  
Filed Sept. 29, '19. Dated Sept. 29, '19.  
Roof rafters in .....\$2100  
Plastered .....2100  
Completed and accepted .....2100  
Usual 35 days .....2115  
TOTAL COST, \$8415

Bond, Sureties, none. Forfeit, \$50.00.  
Limit, 75 days. Plans and specifica-  
tions filed.

(3054) NO. 3022 HILLEGASS AVE.,  
Berkeley. Two-story 7-room dwlg.  
Owner—S. A. Sellers, 3033 Benvenue  
Ave., Berkeley.  
Architect—None.  
Contractor—C. M. Stan, 2019 Delaware  
St., Berkeley.  
COST, \$4800

(3055) N EUNICE 120 E Shattuck  
Ave., Berkeley. One-story 5-room  
dwelling.  
Owner—Albert Manzie, 2024 Virginia,  
Berkeley.  
Architect—None.  
Contractor—A. A. Merrifield, 1500  
Edith, Berkeley.  
COST, \$3000

(3056) NO. 1019 OXFORD, Berkeley.  
Addition.  
Owner—Mrs. Bell, Premises.  
Architect—None.  
Contractor—Walter P. Jones, 2218 Los  
Angeles Ave., Berkeley.  
COST, \$405

(3057) NO. 2710 HILLEGASS AVE.,  
Berkeley. Garage.  
Owner—C. W. Moore, Premises.  
Architect—None.  
Day's work. COST, \$400

(3058) NO. 2512 ETNA, Berkeley.  
Fire repairs.  
Owner—Edwin Cox, Premises.  
Architect—None.  
Contractor—H. C. Kidder, 2075 Addi-  
son, Berkeley.  
COST, \$998.50

(3059) SE ALCATRAZ AND OROVE,  
Berkeley. Repairs.  
Owner—Jesse Robinson, Claremont  
Manor, Oakland.  
Architect—None.  
Contractor—R. W. Littlefield, 357 12th,  
Oakland.  
COST, \$500

(3060) NO. 328 THIRTY-SECOND, Oakland. Alter dwelling into flats. Owner—Jack Barlaschini, Premises. Architect—None. Contractor—John Perona, 579 7th St., Oakland.

COST, \$2000

(3061) W SIXTY-FOURTH AVE 425 N Camden, Oakland. One-story 3-room store.

Owner—E. S. Newberg, 1824 57th Ave., Oakland.

Architect—None.

Contractor—C. F. Lodge, Oakland.

COST, \$1500

(3062) S MARION AVE 283 W 38th Ave., Oakland. One-story 3-room dwelling.

Owner—J. W. Rexford, 3773 Marion Ave., Oakland.

Architect—None.

Contractor—A. B. Chase, 2022 Damuth, Oakland.

COST, \$1400

(3063) W MONTGOMERY 200 S 41st, Oakland. Two-story 16-room dwelling.

Owner—W. A. Wagner, 1534 Franklin, Oakland.

Architect—None.

Contractor—California Builders Co., 1534 Franklin, Oakland.

COST, \$13,500

(3064) NO. 461 NINTH. Alter restaurant into meat market also alter building in rear.

Owner—Chin Wo Co., Premises.

Architect—None.

Day's work.

COST, \$4000

(3065) NO. 1065 SEVENTH, Oakland. Alterations.

Owner—Oakland Maccaroni Factory, Premises.

Architect—None.

Contractor—F. Barozzi, 400 Columbus Ave., Oakland.

COST, \$900

(3066) NO. 2516 FRUITVALE AVE., Oakland. Shed.

Owner—W. S. Grewell.

Architect—None.

Day's work.

COST, \$400

(3067) NO. 1521 FIFTY-FIRST AVE., Oakland. Alterations.

Owner—Geo. F. Anderson, Premises.

Architect—None.

Day's work.

COST, \$500

(3068) NO. 3415 HANNAH, Oakland. Addition.

Owner—Joe Gasper.

Architect—None.

Contractor—A. Phillips, 2831 Helen, Oakland.

COST, \$400

(3069) NO. 2177 FIFTIETH AVE., Oakland. Addition.

Owner—C. Johnson, 3300 Elmwood Ave., Oakland.

Architect—None.

Contractor—I. Lundberg, 2717 Harrison Ave., Oakland.

COST, \$500

(3070) E ARIMO AVE 350 N Walla Vista, Oakland. Two-story 8-room dwelling.

Owner—W. J. McCracken, 1327 Broadway, Oakland.

Architect—None.

Day's work.

COST, \$10,000

(3071) N HARPER 19, 74 and 108 W Minnesota, Oakland. Three one-story four-room dwellings.

Owner—V. C. Jacobsen, 3106 Grove, Oakland.

Architect—L. F. Hyde, 2745 26th Ave., Oakland.

Contractor—S. A. Warner, 4606 Brookdale Ave., Oakland.

COST, \$2500 each

(3072) N FORTY-FIRST 329 E Telegraph Ave., Oakland. Two-story 7-room flats.

Owner—Chas. N. Lindquist, Mastick Terrace, Alameda.

Architect—None.

Day's work.

COST, \$6000

(3073) E TWENTY-SIXTH AVE 100 S E-12th, Oakland. One-story concrete factory.

Owner—Hammer Bray Co.

Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.

Contractor—F. A. Muller, Syndicate Bldg., Oakland.

COST, \$18,000

(3074) N SIXTY-FIFTH 50 and 90 W Whitney, Oakland. Two one-story 5-room dwellings.

Owner—J. A. Sullivan, 1st National Bank Bldg., Berkeley.

Architect—W. H. Ratcliff Jr., 1st Nat'l Bank Bldg., Berkeley.

Contractor—W. C. Clifford, 1st Nat'l Bank Bldg., Berkeley.

COST, \$3000 each

(3075) W WHITNEY 50 and 100 N 65th, Oakland. Two one-story 5-room dwellings.

Owner—J. A. Sullivan, 1st Nat'l Bank Bldg., Berkeley.

Architect—W. H. Ratcliff Jr., 1st Nat'l Bank Bldg., Berkeley.

Contractor—W. C. Clifford, 1st Nat'l Bank Bldg., Berkeley.

COST, \$300 each

(3076) NW WHITNEY & SIXTY-fifth, Oakland. One-story 5-room dwelling.

Owner—J. A. Sullivan, 1st Nat'l Bank Bldg., Berkeley.

Architect—W. H. Ratcliff Jr., 1st Nat'l Bank Bldg., Berkeley.

Contractor—W. C. Clifford, 1st Nat'l Bank Bldg., Berkeley.

COST, \$3000

(3077) NO. 1036 FIFTY-SEVENTH, Oakland. Alterations and additions.

Owner—C. M. Larsen.

Architect—None.

Day's work.

COST, \$800

(3078) NO. 240 GRAND AVE., Oakland. Alterations.

Owner—R. H. Marchant, Federal Bldg., Oakland.

Architect—None.

Day's work.

COST, \$450

(3079) NO. 5833 COLBY, Oakland. Garage.

Owner—W. R. Scofield, Premises.

Architect—None.

Contractor—F. A. Ernsberger, 741 Linden, Oakland.

COST, \$400

(3080) NO. 325 CHICAGO AVE., Oakland. Addition.

Owner—Miss J. Craddock, Premises.

Architect—None.

Contractor W. A. Minor, 557 Montclair Ave., Oakland.

COST, \$475

(3081) NO. 2923 DIERHY, Berkeley. Repairs.

Owner—Mrs. Lantry, Premises.

Architect—None.

Contractor—H. W. Pierson, 2917 College Ave., Berkeley.

COST, \$450

(3082) UNION near Alameda Ave., Alameda. One-story brick garage.

Owner—Mrs. M. Claussenius, 1813 Alameda Ave., Alameda.

Architect—None.

Contractor—Leo F. Kochendorfer, 2208 Lincoln Ave., Alameda.

COST, \$8000

(3083) NO. 1820 CLINTON AVE., Alameda. Alterations to building.

Owner—Mrs. J. S. Delleves, Premises.

Architect—None.

Contractor—E. A. Randlett, 1534 Chestnut, Alameda.

COST, \$4000

(3084) NOS. 2705-09-11-13 WASHINGTON, Alameda. Four one-story five-room dwellings.

Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.

Architect—None.

Day's work.

COST, \$2600 each

(3085) NOS. 1200-1216 FOUNTAIN, Alameda. Two one-story five-room dwellings.

Owner—Frank Hally, 2315 Santa Clara Ave., Alameda.

Architect—None.

Contractor—M. H. Fish, 1340 Versailles Ave., Alameda.

COST, \$2500 each

(3086) NO. 2027 LINCOLN AVE., Alameda. Alterations.

Owner—C. A. Borle, 2117 Buena Vista Ave., Alameda.

Architect—None.

Day's work.

COST, \$450

(3087) NO. 1914 PACIFIC AVE., Alameda. Alterations.

Owner—Mrs. Gladys Glasgow, 1812 27th Ave., Oakland.

Architect—None.

Contractor—E. W. Laing.

COST, \$400

(3088) NO. 1714 PEARL, Alameda. Two-story 5-room dwelling.

Owner—S. Palmer, 1712 Pearl, Ala.

Architect—None.

Contractor—Alex C. Wielen, 1919 Fruitvale Ave., Oakland.

COST, \$3400

(3089) NO. 2615 VIRGINIA, Berkeley. One-story 3-room dwelling.

Owner—Mrs. A. Peterson, Premises.

Architect—None.

Contractor—Frank E. Peterson, Prem.

COST, \$1500

(3090) NO. 577 TWENTY-NINTH ST. (rear), Oakland. One-story 3-room dwelling.

Owner—Miss Annie McIntyre, Prem.

Architect—None.

Contractor—Jas. Parker, 944 E-14th, Oakland.

COST, \$1400

- (3091) E EIGHTY-FOURTH AVE 80 S Birch, Oakland. One-story 3-room dwelling.  
Owner—Mrs. Wm. Hallich, 8403 E-14th, Oakland.  
Architect—None.  
Contractor—O. E. Bratsete, 2129 64th Ave., Oakland.  
COST, \$1000
- (3092) NO. 443 LEE, Oakland. Alterations.  
Owner—H. H. Fair, Premises.  
Architect—None.  
Contractor—C. A. Doss, 2028 E-15th, Oakland.  
COST, \$500
- (3492) W EIGHTY-SEVENTH AVE 250, 300 and 350 S Blanch, Oakland. Three one-story 6-room dwellings.  
Owner—R. J. Pavert, 2070 Auseon Av., Oakland.  
Architect—None.  
Day's work.  
COST, \$2990 each
- (3094) NW EIGHTY-SEVENTH AVE and Olive, Oakland. One-story 6-room frame dwelling.  
Owner—R. J. Pavert, 2070 Auseon Av., Oakland.  
Architect—None.  
Day's work.  
COST, \$2990
- (3095) E EIGHTY-SEVENTH AVE 100, 150 and 200 N Olive, Oakland. Three one-story 6-room frame dwlg. Owner—R. J. Pavert, 2070 Auseon Av., Oakland.  
Architect—None.  
Day's work.  
COST, \$2990 each
- (3096) W EIGHTY-SEVENTH AVE 50 and 100 N Olive, Oakland. Two one-story 6-room dwellings.  
Owner—R. J. Pavert, 2070 Auseon Av., Oakland.  
Architect—None.  
Day's work.  
COST, \$2990 each
- (3097) NOS. 902-906 WASHINGTON, Oakland. Alterations.  
Owner—Beach & Hughes, Premises.  
Architect—None.  
Day's work.  
COST, \$500
- (3098) NW SEVENTH & KIRKHAM, Oakland. Water cooler.  
Owner—Golden West Brewery.  
Architect—None.  
Contractor—F. T. Malley, 501 Santa Ray Ave., Oakland.  
COST, \$1000
- (3099) E TWENTY-THIRD AVE 50 N E-10th, Oakland. Shed.  
Owner—F. M. Bende, 828 23rd Ace., Oakland.  
Architect—None.  
Contractor—M. Brown, 1922 E-14th, Oakland.  
COST, \$650
- (3100) FOURTEENTH AND CLAY, Oakland. Alterations and additions to store building.  
Owner—H. C. Capwell Co., Premises.  
Architect—E. W. Cannon, Oakland.  
Contractor—E. T. Letter, Call Bldg., San Francisco.  
Filed Oct. 2, '19. Dated Oct. 1, '19.  
1st day of each month..... 75%  
Usual 35 days..... 25%  
TOTAL COST, \$7335  
Bond, none. Limit, Dec. 1. Forfeit, none. Plans and specifications filed.
- (3101) E EIGHTY-SECOND AVE 800 W Foothill Blvd., Oakland. One-story 5-room dwelling.  
Owner—F. & E. Silva, 8425 Foothill Blvd., Oakland.  
Architect—None.  
Day's work.  
COST, \$3000
- (3102) W STANFORD AVE 32, 64 and 96 S 60th, Oakland. Three one-story 5-room dwellings.  
Owner—C. B. Burnham, Oakland.  
Architect—None.  
Contractor—C. M. MacGregor, 470 13th Oakland.  
COST, \$2950 each
- (3103) NO. 699 JEAN, Oakland. Garage.  
Owner—Wade H. Powell, Premises.  
Architect—None.  
Day's work.  
COST, \$400
- (3104) S CARY AVE 50 W Hale, Oakland. One-story 2-room dwelling.  
Owner—J. Goccovelli, Stonehurst.  
Architect—None.  
Day's work.  
COST, \$500
- (3105) S BEULAH E Calavares, Oakland. Fire repairs.  
Owner—Salvation Army.  
Architect—None.  
Day's work.  
COST, \$1000
- (3106) NW FIFTY-THIRD AVE AND E-12th, Oakland. One-story three-room dwelling.  
Owner—R. E. Reeves, 3324 E-14th, Oakland.  
Architect—None.  
Contractor—Ed. Bassett, 3229 E-14th, Oakland.  
COST, \$790
- (3107) NW RUSSELL AND CHERRY, Berkeley. One and one-half-story seven-room dwelling.  
Owner—John A. Bischoff, 5768 Shattler Ave., Oakland.  
Architect—None.  
Day's work.  
COST, \$3500
- (3108) LOTS 4 AND 5 Map Grand View Terrace, Piedmont. All work for one-story dwelling.  
Owner—Ida G. Hooper, 157 Hagar Ave., Oakland.  
Architect—None.  
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.  
Filed Oct. 2, '19. Dated Oct. 2, '19.  
Frame up..... ¼  
Ready for plaster..... ¼  
Completed and accepted..... ¼  
Usual 35 days..... ¼  
TOTAL COST, \$5981  
Bond, \$2990.50. Surety, Globe Indemnity Co. Limit, 60 days after Oct. 6. Forfeit, none. Plans and specifications filed.
- (3109) FOOT-OF-SIXTEENTH, Oakland. One-story brick addition to express building.  
Owner—American Railway Express, Wells Fargo Bldg., San Francisco.  
Architect—Jas. H. Humphrey, Wells Fargo Bldg., San Francisco.  
Contractor—Butler & Heilley, 180 Jessie, San Francisco.  
COST, \$18,237
- (3110) SW THIRTEENTH & FRANKLIN, Oakland. Marquee.  
Owner—Tribune Publishing Co., Prem.  
Architect—None.
- Contractor—H. Dombrink Co., 2008 Telegraph Ave., Oakland.  
COST, \$1800
- (3111) N SEVENTH 95 W Peralta, Oakland. Two-story store and dwelling.  
Owner—King Realty & Land Co., 7th and Peralta, Oakland.  
Architect—None.  
Contractor—John Vaughn, 1124 Hampel, Oakland.  
COST, \$2500
- (3112) S WELLINGTON 325 E Park Blvd., Oakland. One and one-half-story 6-room dwelling.  
Owner—Mable Woodard, 4025 Brighton Ave., Oakland.  
Architect—None.  
Contractor—E. W. Woodard, 4025 Brighton Ave., Oakland.  
COST, \$4000
- (3113) NO. 295 JAYNE AVE., Oakland. Alterations.  
Owner—E. Knight, 293 Jayne Ave., Oakland.  
Architect—None.  
Contractor—H. Bockhorst, 293 Jayne Ave., Oakland.  
COST, \$450
- (3114) W FIFTH AVE 180 S E-14th, Oakland. One-story 3-room dwlg. Owner—R. E. Reeves, 3324 E-14th St., Oakland.  
Architect—None.  
Contractor—Ed. Bassett, 3229 E-14th, Oakland.  
COST, \$790
- (3115) LOT 22 A. J. Snyder's Piedmont Terrace-by-the-Lake Tract, Oakland. All work for two-story 8-room dwelling and garage.  
Owner—Mrs. Marie Heltmann, 1720 Hopkins, Oakland.  
Architect—None.  
Contractor—Harry Schwalm, Hayward  
Filed Oct. 3, '19. Dated Oct. 2, '19.  
Exterior sheathed..... ¼  
Brown coated..... ¼  
Completed and accepted..... ¼  
Usual 35 days..... ¼  
TOTAL COST, \$9000  
Bond, none. Limit, 90 days from Oct. 5. Forfeit, none. Plans and specifications filed.

## COMPLETION NOTICES.

## Alameda County.

Recorded	Accepted
Sept. 30, 1919—LOT 9 Map Grand Avenue Terrace, Okd. H L Cohn to whom it may concern. Sept. 29, 19	
Sept. 30, 1919—LOT 146 BLK 25 Havenscourt Tract, Okd. J L New-ton to C D Stratton. Sept. 25, 1919	
Sept. 30, 1919—SE SHAFER AVE 297.93 NE Pryal NE 37xSE 110, Okd. J W Gaba to whom it may concern. Sept. 25, 1919	
Sept. 29, 1919—E FAIRFAX AVE 362.15 N Ygnacio, Okd. Arthur D Janssen to E F Kopf. Sept. 29, 1919	
Sept. 27, 1919—N FOURTEENTH bet. Harrison and Webster, Okd. Mary E Davidson and A H Marx to Nelson & Forsyth. Sept. 24, 1919	
Sept. 20, 1919—SE TWENTY-fourth and Webster S 65xSE 100, Okd. Emma and Hugo Muller to F A Muller. Sept. 5, 1919	

## BUILDING CONTRACTS.

## Santa Clara County.

## ALTERATIONS

CAMPUS OF STANFORD UNIVERSITY, Palo Alto. All work for alterations to the power plant and steam distribution system of Stanford University.

Owner—The Board of Trustees of The Leland Stanford Jr. University, Palo Alto.

Engineers—Hunter & Hudson, Rialto Bldg., San Francisco.

Contractor—Kiernan & O'Brien, Inc., 1756 Mission St., San Francisco.

Filed Sept. 23, '19. Dated Sept. 19, '19.  
Completed and accepted..... 75%  
Usual 35 days..... 25%  
TOTAL COST, \$4966

Bond, \$2000. Surety, Kiernan & O'Brien, Inc. Limit, 90 calendar days from date. Forfeit, none. Plans and specifications filed.

## FRAME RESIDENCE

E MOORE ST., bet. Fremont and Randall Sts., near San Jose. All work for one and one-half-story frame residence.

Owner—Douglas Sims, 115 Singletary St., San Jose.

Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Contractor—J. E. Perkins, 1652 E. Santa Clara St., San Jose.

Filed Sept. 27, '19. Dated Sept. 26, '19.

Frame up ..... \$1490  
1st coat plastering on ..... 1490  
Completed and accepted..... 1490  
Usual 35 days..... 1490  
TOTAL COST, \$5960

Bond, \$2980. Sureties, James H. Pierce and H. P. Damon. Limit, 100 working days from date. Forfeit, \$2. Plans and specifications filed.

## RESIDENCE

CAMPUS OF STANFORD UNIVERSITY, Palo Alto. Brick work, iron work, flue lining, etc., for two-story and a half Class "B" residence.

Owner—Mrs. Lou Henry Hoover, Palo Alto.

Architect—A. B. Clark, Stanford University, Palo Alto.

Contractor—H. P. Nelson, 2241 Grove St., Berkeley.

Filed Sept. 27, '19. Dated Sept. 26, '19.

On 1st and 15th of each month 75%  
Usual 35 days..... 25%  
TOTAL COST, \$7870

Bond, \$3935. Surety, Globe Indemnity Co. Limit, 35 working days from Oct. 2, 1919. Forfeit, none. Plans and specifications filed.

## ALTERATIONS

NO. 59 W-SANTA CLARA ST., San Jose. Alterations.

Owner—Auzerais Estate, Premises.

Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Contractor—E. L. Wolfe, 131 Coe St., San Jose. COST, \$1250

## GARAGE

TWENTY-FIFTH AND SANTA CLARA STs., San Jose. Garage.

Owner—L. R. Lenfest, 1195 E-Santa Clara St., San Jose.

Architect—None. COST, \$1000

Day's work.

## COMPLETION NOTICES.

## Santa Clara County.

## Recorded

Sept. 25, 1919—MIRA MONTE AVE., near Mt. View. Joseph Eastwood to P T Jorgensen.....Sept. 17, 1919

## Accepted

## BUILDING CONTRACTS.

## San Joaquin County.

## DWELLINGS

NORTHERN ADDITION, Stockton. Two frame dwellings and garage.

Owner—Stockton Land Association, Stockton.

Architect—None.

Day's work. Cost, \$2700 and 2800 respectively and garage, \$300.

## FRAME DWELLING

EAST SCOTTS AVE., Stockton. Frame dwelling.

Owner—W. F. Holbrook, 1447 E-Hazleton St., Stockton.

Architect—None. COST, \$2006

Day's work.

FRAME DWELLING LAFAYETTE ST., bet. Commerce and Center Sts., Stockton. Frame dwlg.

Owner—H. A. Hill, Stockton.

Architect—None. COST, \$4500

Day's work.

## BUILDING CONTRACTS.

## Fresno County.

## DWELLING

LOT 12 Sierra Vista Tract, Fresno. Frame dwelling and garage.

Owner—Nels N. Nelson, 948 Roosevelt St., Fresno.

Architect—None. COST, \$3500

Day's work.

DWELLING LOT 15 BLK 27, Alta Vista Tract, Fresno. Frame dwelling and garage

Owner—T. J. Reese, Fresno.

Architect—None. COST, \$3500

Day's work.

DWELLING LOTS 7 AND 8 BLK 4, Sunset Addition, Fresno. Frame dwelling and garage.

Owner—Wm. L. Matlock, 227 Coast St., Fresno.

Architect—None. COST, \$6000

Contractor—G. H. Stivers, 1606 Poplar St., Fresno.

## FRAME DWELLING

LOTS 29 AND 30 BLK 46, Fresno. Frame dwelling.

Owner—A. Lencioni, 1320 Tuolumne St., Fresno.

Architect—None. COST, \$3000

Contractor—Jas. Romano, Fresno.

## FRAME DWELLING

LOTS 31 AND 32 BLK 40, Arlington Heights, Fresno. Frame dwelling.

Owner—D. Castano, Fresno.

Architect—None. COST, \$4500

Owner—Jas. Romano, Fresno.

FRAME DWELLING LOT 34, Alta Vista Tract, Fresno. Frame dwelling and garage.

Owner—Al Webster, Fresno.

Architect—None.

Contractor—J. O. Kerriek, 822 "T" St., Fresno. COST, \$6000

## DWELLING

LOT 6 BLK 13 Wilson North Fresno Tract, Fresno. Frame dwelling and garage.

Owner—A. P. Wilson, 1297 Wishon St., Fresno.

Architect—None.

Contractor—J. D. Shorb & Meads, 127 Fresno Ave., Fresno. COST, \$15,000

## FRAME DWELLINGS

LOTS 10 TO 22 BLK 9 La Sierra Tract, Fresno. Central California Land & Improvement Co., 291 Trust Co. Bldg., Fresno.

Architect—None.

Contractor—R. C. Blackwell, 1378 Wilson St., Fresno. COST, \$4500 each

Architect—None.

Contractor—J. D. Shorb & Meads, 127 Fresno Ave., Fresno. COST, \$15,000

## DWELLING

LOT 7 BLK 27, Hazelwood, Fresno. Frame dwelling and garage.

Owner—Mrs. Clara Mang, Fresno.

Architect—None. COST, \$4500

Contractor—C. V. Smith, Fresno.

## DWELLING

LOT 13 BLK 28, Alta Vista Tract, Fresno. Frame dwelling and garage

Owner—Tom Ware, Fresno.

Architect—None. COST, \$4800

Contractor—C. V. Smith, Fresno.

## COMPLETION NOTICE.

## Fresno County.

## Recorded

Sept. 26, 1919—N 17 FEET LOT 17 all Lot 16 S 3 feet Lot 16 Blk 6

North Point Terrace, Fresno. G H Stivers and Geo Brashear to whom it may concern Sept. 26, 1919

Sept. 30, 1919—N 17 FEET LOT 12, Lot 11 S 3 feet Lot 10 Blk 6, North Park Terrace, G H Stivers and Geo Brashear.....Sept. 29, 1919

## LIENS FILED.

## Fresno County.

## Recorded

Sept. 26, 1919—LOTS 9 AND 10 BLK 1, Aten Addition, Fowler. Allan R. Johnson vs E. Benson.....\$364

## CITY OF FRESNO BUILDING TOTALS.

The following is a report of the building operations in the City of Fresno for the month of September, 1919:

New Buildings, \$721,453; No. Permits, 105; Total for Year, \$2,552,327.

Alterations and Repairs, \$39,055; No. Permits, 53; Total for Year, \$255,172.

## COMPLETION NOTICES.

## Sacramento County.

## Recorded

Sept. 25, 1919—NE TWELFTH AND "I" Sts., Sacramento. (Service Station). Associated Oil Co to whom it may concern.....

## Accepted

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock Doors, Sash Frames  
and Moldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BEECH  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-KOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
OREGON WALNUT-PLUM OAK  
QUARTERED OAK  
WYBROCK BENDING OAK  
POPLAR-WALNUT



BOKWOOD-EBONY-IRONBARK  
JENSEN-KOA-SPANISH CEDAR  
LIGNUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SWITZER-GUM-GRASSY WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
COWELS-TREEMILLS-VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUIT, Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
(Hayes & Franklin)

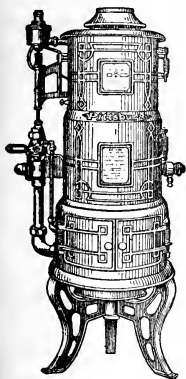
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., October 15, 1919

Published Every Wednesday  
Nineteenth Year, No. 42



## A BIG THING

New Model No. 65

"Pittsburg-  
Bungalow"

Automatic Water  
Heater.

Capacity three gallons  
per minute.

Just the size to fit the  
average two-story home  
or nice Bungalow.

A "Pittsburg" Automatic Gas  
Water Heater installed in the  
home indicates high quality  
throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

**The Most Powerful Made  
Safe and Economical**

Manufactured on a solid base and do not  
contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

**California Trojan Powder Company**

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill.	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago	TREASURER
C. E. DRAYER	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng., Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry., Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co.	THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles.....W. P. R. R.
F. Johnston.....Union Const. Co.
L. D. Howland.....C. C. Moore Co.
I. G. Grundel.....Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown.....S. P. R. R.
E. B. Crane.....C. M. & P. S. Ry.
P. J. Rowell.....I. C. C.

### COMPENSATION COMMITTEE

G. M. Nelson.....Consulting Eng.
E. V. Vandercook.....S. P. R. R.
W. T. Cleland.....
Chief Dep. Sur. Santa Clara Co.
V. D. Cousins.....P. T. & T. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp.....S. P. R. R.
EMPLOYMENT REPRESENTATIVE

### MEMBERSHIP COMMITTEE

D. L. Reynolds.....Pac. Fruit Ex. Co.
J. Amweg.....Consulting Eng.
W. H. Rupp.....S. P. R. R.
E. D. Brown.....Redwood Mfrs. Co.
Clarence D. Stone.....S. P. Co.
A. B. Hartley.....S. P. Co.
H. W. Shrieber.....City of Oakland.
F. E. Gelbel.....S. P. Co.
C. B. Newberry.....Inter. Com. Com.
J. F. Johnston.....Union Const. Co.
E. V. Vandercook.....S. P. Co.

### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....S. P. Co.
O. R. West.....A. T. & S. F. Co.
W. S. Woliner.....N. W. P. Co.

### QUALIFICATION COMMITTEE

W. H. Phelps.....S. P. Co.
O. R. West.....A. T. & S. F. Co.

### PUBLICITY COMMITTEE

E. D. Brown.....Redwood Mfrs. Co.
G. M. Nelson.....Consulting Eng.

### POLITICAL COMMITTEE

E. H. Herbert.....Oliver Mfg. Co.
-----------------------------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHAPTERS & CLUBS:

### SACRAMENTO CHAPTER

Lathrop, H. A.....Secretary
1321 Thirty-third St.
Sacramento - California

### LOS ANGELES CHAPTER

Harris, A. L.....Secretary
1104 Central Building
Los Angeles - California

### PORTLAND CHAPTER

Barnes, R. W.....Sec. & Treas.
36 Union Station - Oregon

### FRESNO CHAPTER

Jean L. Vincenz.....Secretary
P. O. Box 322

### FRESNO CHAPTER

Fresno - California
SAN DIEGO CHAPTER
Grumm, Fred.....Secretary
289 Spruce Street
San Diego - California

### SAN BERNARDINO CLUB

Woods, M. A.....Secretary
608 Tenth Street
San Bernardino - California

### EUREKA CLUB

Howard, F. W.....Secretary
Eureka - California

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
500 Mission Street.  
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEAD-QUARTERS.

The Public Service Committee of the New York Chapter of the American Association of Engineers has made its report on the present salaries of engineers by the City of New York, with recommendations for increases.

The committee recommends:

(1) A graded increase of salaries to be granted to all technical employees, ranging from 73 per cent for the lowest paid to 20 per cent for those receiving more than \$5,000 per annum, the increase for the city amounting to a total of \$950,000, for the commissions to \$516,000, a grand total of \$1,466,000.  
(2) A flat increase of approximately \$500 as an absolute minimum increase which should be granted to each employee if it is impossible to adopt recommendation 1 at the present time, the increased annual salary being adjusted into multiples of \$120 for convenience in accounting, the increase for the city amounting to \$612,000 and for the commissions to \$356,000, a grand total of \$968,000.

Upon report that the President was considering the appointment of a lawyer to the Interstate Commerce Commission, the national headquarters of the American Association of Engineers telegraphed to its 80 or 90 Chapters and Clubs throughout the United States requesting that every member who could be prevailed upon to do so, telegraph Secretary Tumulty urging the appointment of an engineer. The President had previously been requested by Dr. P. H. Newell, President of A. A. E., to appoint an engineer.

As a result of the study of salaries of engineering employees which has been carried on in the Central Western Region of the United States Railroad Administration, salary adjustments are now being made for a great proportion of the junior engineers and the supervisory officers in the lower grades. The new salaries are very satisfactory to those engineers who have benefited by them, and it is expected that the additional adjustments which are made will be on the same basis. The necessity for this action, the information supporting it, and a suggested schedule of salaries was first presented in this region last June by the American Association of Engineers, and since that time the Association has kept in close touch with the situation.

In response to a telegram which was sent out from National Headquarters of the American Association of Engineers requesting Chapters and Clubs of A. A. E. to telegraph the President of the United States urging the appointment of an engineer to the Interstate Commerce Commission, the St. Joseph, Missouri, Club not only sent telegrams signed by many members of the Club, but also telegrams sent to Secretary Tumulty by each member of the Board of Public Works and by the Mayor of St. Joseph.

September was the first month in the history of the American Association of Engineers in which 1,000 members were added to its rapidly growing membership. The previous high month for membership to the Association was June, 1919, in which month 814 memberships were completed. In September, 1,001 memberships were completed and 1,157 applications for membership were received. The membership of the Association is now more than 7,600.

Doctor P. H. Newell, President of the American Association of Engineers, addressed the Associated Engineering Societies of St. Louis on October 1.

The New York Chapter of the American Association of Engineers has applied for membership in the New York Chamber of Commerce.

General John P. O'Ryan addressed the meeting of the New York Chapter on September 24 on the subject of "Compulsory Military Training in the Scheme of National Defense."

## RECLAIMING MESA LANDS BORDERING IMPERIAL IRRIGATION DISTRICT.

Plans for the reclaiming and peopling of the mesa lands bordering the Imperial Irrigation District, comprising an area of more than 200,000 acres, through building of irrigation works by the government at a cost of about \$40,000,000 were advanced recently by Dr. Elwood Mead, Professor of Rural Institutions in the University of California, and chairman of the State Land Settlement Board.

In a bulletin issued by the Agricultural Experiment Station of the State University, Professor Mead states that title to the land should be retained by the government until the irrigation works are completed and water is

available for irrigation. Settlers could then begin the improvement and cultivation of their farms as soon as they went on the land.

"It should be sold only to actual settlers in small individual farms. The town sites should be located and laid out, like the farms, according to some carefully thought out plan, so that the people who make their homes on what is now a desert will feel that they have all had the aid that science and experience can give," declares Dr. Mead. "The land settlement law ought to be utilized in the development of a part of the mesa lands."

Objection is taken to the policy outlined in the bill at present pending in Congress for the following reasons:

1. It leaves each settler to shift for himself and makes the peopling of this area and the creation of towns and farm homes a matter of uncoordinated individual effort.

2. Land would be sold before there was any water provided for irrigation.

3. Land to be sold under the bill is without any proper classification of the soil.

4. The size of the 160-acre unit to be sold is too large for people who cannot invest \$1600 in cash or provide it in five years while waiting for government or corporate canal building.

5. Not all the land would be sold. "If such a plan should be adopted," writes Professor Mead, "it would make soldier or civilian settlement on this area, by the California Land Settlement Board, costly, if not impossible."

To secure unity of action, Professor Mead suggests a meeting of certain agencies at the University of California as a convenient place, to include among others, the State Engineering Office, the State Water Commission, the Irrigation Investigations, the State Land Settlement Board, the College of Agriculture, the U. S. Reclamation Service, and delegates from the Irrigation District, the Board of Supervisors, the American Legion and the Farm Bureau of Imperial County and District.

## UNITED STATES CIVIL SERVICE EXAMINATION.

Drainage Engineer (Male), \$1800-\$2100

November 4, 1919.

Applicants should apply at once for Form 1312, stating the title of the examination desired to the Civil Service Commission, Washington, D. C., or Post Office, San Francisco.

## TO DEVELOP ELECTRIC POWER FOR MINING.

The State Engineer's office at Carson City, Nevada, has received application from P. A. Simon, of the Simon mines near Mina, for the right to use the East Walker River for electric power purposes for mine and milling. The proposed site of this power plant is situated near Horseshoe bend, not far from Sweetwater, and a survey of the surrounding reservoir has been ordered.

In the applications it is stated that the purpose is to create approximately 6000 horsepower, the water to be impounded by the construction of concrete and rock dams at a cost of \$500,000. Three years is given as the time required to finish this project, which is one of the largest so far undertaken by any mining concern in the State. It is further stated that the water is to be used solely for power purposes and returned to its proper channel after passing through the penstocks of the generating plant.

## AMERICAN TRADE MARKS IN JAPAN.

International fair play has been substantially exemplified by the decision of the Supreme Court of Japan on the validity of American trade marks properly registered. Good will in the affairs of men counts for more today—has a higher commercial value—than in any period of history.

The acceptance of these fundamental facts by the Japanese tribunal gives the printed declaration of American trade a broader scope. The safeguards from forgery and plagiarism on trade marks has great significance in the field of world trade.

## HIGHWAY MAINTENANCE.

### IV.

By G. M. N.

November, 1910 .....	18 Millions
November, 1916 .....	15 Millions
November, 1918 .....	40 Millions
State Highways .....	73 Millions

The people of the State of California have responded generously to the Highway Commission's every appeal for more millions and still more millions with which to build "Good Roads." It now appears from this same Highway Commission's First Biennial Report that it was not "Good Roads" that were built, but only good roads, as the maintenance problem commences to loom rather large, from 265 to 1231 dollars per mile, or almost as much as any old gravel road built by farmers used to cost and not a "1920 model" "concrete for permanence" road built by eminent engineers, educated in "America's best Universities" and paid salaries that an ordinary engineer plugging along for himself only dimly realizes as a possibility.

The question of maintenance, which is assuming such serious proportions,

is interesting from the every-day engineer's standpoint in more than one way, because at the start of the building of our highways considerable difference of opinion existed and was voiced by engineers of no little experience in road and street work as to the type that should be built. A committee was appointed at the Santa Barbara Convention of the League of California Municipalities to make a report on proposed highway specifications and practice, and the committee rendered a report dated San Francisco, August 12, 1912, of which we reprint the conclusions:

### Suggested Specifications.

Having in mind the **increasingly greater traffic demands which will be made after the completion of the highway**, we would suggest three classes of pavement as being much more permanent and satisfactory in every way than those proposed.

1. A standard pavement, consisting of a cement concrete base, and a bituminous wearing surface of at least two and one-half inches thick, constructed according to best modern practice; this form of pavement has been proven to be successful in all large cities and is considered standard by all municipal engineers.

2. A pavement consisting of a 5-inch cement concrete base, as before, but overlaid with a two and one-half inch thickness of bituminous rock, similar to many pavements in San Francisco and other cities.

3. A pavement commonly known as asphalt concrete, consisting of a base course three inches thick and a wearing surface two inches thick, each course to be separately rolled to complete resistance. This form of pavement has been in use for many years and has proven entirely satisfactory.

A bituminous concrete similar to the asphaltic concrete might be used to advantage along the line of the coast route. For present highway purposes in most localities, we consider that the asphalt concrete form of pavement would be the best pavement to be had under existing circumstances.

In support of our contention that an asphalt concrete pavement can be laid at a comparatively low cost, we would cite that in Sacramento contracts were recently entered into for a 5-inch asphalt concrete at the rate of 11½ cents per square foot including grading; also that in Fresno, contracts for a similar 5-inch pavement were entered into at the rate of 13 cents per square foot including grading; also that in Madera, similar contracts were made at the rate of 14 cents per square foot including grading.

### Recommendations.

In conclusion, we would remind your body that approximately 70 per cent of the burden of taxation will fall upon the incorporated cities. If poor pavements, or experimental pavements are laid between cities, they will be the greatest sufferers and would therefore have the best right to be heard in the matter of pavements. In view of the seriousness of adopting improper specifications we would recommend that you give the matter your careful and immediate attention.

Respectfully submitted.

(Signed) CHRIS P. JENSEN,  
S. J. VAN ORNUM,  
J. J. JESSUP.

To this report the State Highway Engineer made reply in a statement to the Highway Commission—printed in the California Highway Bulletin and issued at the State's expense every so often to the self-glorification of the State Highway Department. The conclusions of his report follows:

### Conclusion.

The report of the committee to the League of California Municipalities raises some interesting points, but they touch upon no subject which has not been considered pro and con many times at the executive meetings of the Commission.

I think that the plan adopted of constructing the bases of the roads of hydraulic cement concrete is above average criticism. A foundation is thus provided for almost any kind of wearing surface which the future may develop.

The State Highway Act provides that the state shall maintain the roads and by the time the money is needed the Legislature will doubtless appropriate money for that purpose. When the time arrives that a better type of wearing surface seems desirable, it is likely that another bond issue will be voted. A permanent base will be ready to receive it.

The pith of the criticism is that the Commission is trying to do too much work that the committee is pleased to call "mediocre" in an endeavor to complete the state highway system within the sum appropriated, namely \$18,000,000.

The reporters virtually recommended that the requirements of the State Highway Act be disregarded and that the Commission proceed with its work, without particular consideration of the entire mileage, and pave the main lines with either a sheet asphalt on a heavy concrete base or with the so-called asphaltic concrete.

Such ultra-substantial work as the committee recommends would be more nearly applicable to the needs of Fifth avenue in New York or the London Embankment, and the rural roads of California will hardly require such heroic treatment, at least during the life of the present bond issue.

Were it desired to build now such costly types of road what justification would an officer of the people have in disregarding the plain mandates of the law and deliberately adopting a policy which would leave out from the system from one-quarter to one-third of the roads which the people voted to improve.

Who in the State has the power, the right, or the assurance to direct or to even connive at such a policy?

Respectfully,

(Signed) A. B. FLETCHER,  
Highway Engineer.

October 10, 1912.

The last twelve lines of above "conclusions," which even at the time they were uttered had a hollow sound, are today a mockery on the common sense engineers are supposed to possess in higher degree than the layman.

The "ultra-substantial work" that was "more nearly applicable to the needs of Fifth avenue in New York" is apt to be somewhat surpassed on the "rural roads of California" that would "hardly require such heroic treatment."

## THE FARMERS AND THE RAILROADS.

The Oklahoma Farmers' Union is entirely consistent in its stand concerning the railroad brotherhoods' plan for government ownership of the railroads. In resolutions adopted at their meeting at Clinton, the members of the farmers' union put forward this proposition:

"If Congress in its wisdom sees fit to give these railroad men their demands, we ask that Congress should also buy all of the farms in the United States, with their equipment, and employ all of the farmers to operate them, paying to the farmers a wage equal to two-thirds of the hourly wage that the average railway employee receives; and then sell all farm products to the consumer at cost."

The alternative proposition of the farmers is just as reasonable as that advanced by the railroad unions. In fact, more reasonable, because in the case of the government ownership of farms, the product would be sold to the consumer at cost; whereas the railroad unions propose that the railroads be run at a profit and that they be given a large share of the profits. In their proposal, the farmers agree to give all the profits from the farms to the public and still be content with an hourly wage equal to two-thirds of what is paid the average railway employee.

Of course, the farmers are really not so selfish as to insist that the masses of the people go heavily into debt to buy the farms and insure the farmers a higher wage. They simply proposed—and justly—that if the people bought the railroads for the railway workers, they also should, as a matter of fairness, buy the farms for the farmers.

While presenting their alternative proposition, in order to show by comparison, the injustice of the railroad brotherhoods' plan, the Oklahoma Farmers' Union at the same time went on record as being opposed to any form of government ownership of railroads.

"We view with alarm and oppose any government ownership of railroads," says the resolution, "and we especially oppose the Plumb plan (the railroad brotherhoods' plan) of buying the railroads by the United States government at the public expense, turning them over to the railroad employees and guaranteeing to the employees that whatever wage they demand will be paid."

If the masses of the people are to pay for buying the railroads for any class of workers, it would be better to buy them and donate them to the farmers. The latter are more interested than are the railroad workers in guaranteeing to the public an uninterrupted operation of trains and an efficient service at the lowest cost.

Or, the railroads might be bought and donated to the carpenters or the bricklayers or the laborers who are engaged in manufacturing automobiles or other special products. The railroads might just as well be donated to any of these classes of workers as to the railroad employees, if the masses of the people are going to foot the bill.

It is significant that while the railroad workers insist on sharing the profits of the railroads, they do not propose to share any deficit that occurs in operating the roads. The railroad employees do not intend to stand any loss, but to make their earnings as the expense of the public. One of the brotherhood leaders objects to putting railroad profits back into the railroads in the form of improvements. If the government-ownership, profit-sharing plan were put into effect, it is possible that the railroad union men would divide the railroad profits among themselves and their operators. Then if it was found necessary to make improvements they would issue bonds and make the public pay for the improvements.

Although any form of government ownership of railroads is unthinkable, the plan proposed by the railroad brotherhoods is the worst yet brought forward. It is especially vicious because it proposes legislation for a particular class of workers and provides that these workers shall be given special benefits for which the great majority of other workers will pay. The railroad employees constitute only about three per cent of all employees in the United States. Yet they insist that their will shall be supreme over all.—Editorial from the Oklahoma City Oklahoman of August 22, 1919.

## STATE CORPORATION DEPARTMENT.

SACRAMENTO, Cal. — California Newhall Co. which proposes to drill for oil near Newhall, Los Angeles County, has been given authority by Commissioner of Corporations E. C. Bellows to sell and issue shares of its capital stock.

Under the permit the company is authorized to issue 100,000 shares to Frank A. Marner as consideration for a grant deed of 160 acres near Newhall. It is also permitted to sell 147,500 shares at par for cash, the proceeds to be utilized in developing the land.

The deed to the land is executed subject to the condition that not be less than three oil wells shall be drilled in the land to a depth of 2,000 or to production oil on or before January 1, 1924.

Placencia Oil Company, which has secured a lease of 20 acres of land near Richfield, Orange County, has permission from the Commissioner to issue 7,500 shares of its capital stock for the lease, and to sell 3,200 shares to subscribers at 50 cents per share, and to sell 150,000 shares at par, \$1. The proceeds from the sale of the 150,000 shares are to be used in drilling and developing the land for oil.

Gold Reef Consolidated Mines Company of Pasadena has been given permission to issue 600,000 shares to purchase a group of nine claims in the Gold Reef Gold Mining District from the Tom Reed Gold Mines Company and the Clipper Mountain Gold Mining Company.

Permission also is given to the company to sell 400,000 shares at 10 cents per share. The proceeds from the sale will be used for the purpose of further prospecting the claims.

San Juan Gold and Silver Mining Company, a Washington corporation, has permission to sell 50,000 shares at 60 cents per share for the purpose of continuing development of veins within the group of claims it proposes to purchase. The company holds options to purchase two groups of claims in Yellow Pine and Big Creek Mining District.

Mandalay Mines Company, a Nevada corporation, is permitted to issue 400,000 shares of its capital stock, par value 10 cents per share in exchange for five unpatented lode claims and a mill site in National Guard District, Humboldt County, Nevada. It is also permitted to sell 200,000 shares at five

cents per share. The company will use the proceeds from the sale of the stock in further prosecuting the claim.

## THE BONUS EVIL AND ITS EFFECTS

[From Canadian Municipal Journal.]

Of the resolutions adopted by the Union of Canadian Municipalities at its annual meeting in Kingston none is worthy of more attention than the resolution against the subsidizing of local industries by means of bonuses, grants of free sites, or exemption from taxation. The Provincial Governments are to be asked to enact legislation preventing this wasteful competition among municipalities. Few ambitious urban municipalities can plead innocence in this matter. Hamilton is one of many which have sacrificed too much for the sake of industrial expansion. High tax rates form one unpleasant effect of the bonusing abuse.

There is a law on the Ontario statute book designed to check the industrial bonus evil, but it is commonly evaded, and when municipalities violate it they do not find it hard to get the Legislature to legalize their violations of it. A stop should be put to this practice. If the law were impartially enforced and no exceptions made, there would be less temptation on the part of municipal councils to offer bribes to industrial promoters to open plants in towns willing to pay for them.

Unhappily, it too often happens that the manufacturers who have to be subsidized to locate in a place must eventually be further subsidized to prevent them removing later to some town which holds out better inducements.—The Hamilton Herald.

## STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.

OF BUILDING AND ENGINEERING NEWS, published weekly at San Francisco, Cal., for October 1st, 1919.

State of California, City and County of San Francisco, ss.

Before me, Chalmers Munday, a Notary Public, in and for the State and county aforesaid, personally appeared L. A. Larsen, who having been duly sworn according to law, deposes and says that he is the Owner of the Building and Engineering News.

Publisher, L. A. Larsen, 560 Mission St., San Francisco, Cal.

Editor, L. A. Larsen, 560 Mission St., San Francisco, Cal.

Managing Editor, L. A. Larsen, 560 Mission St., San Francisco, Cal.

Business Manager, L. A. Larsen, 560 Mission St., San Francisco.

Owner, L. A. Larsen, 560 Mission St., San Francisco, Cal.

That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities: None.

L. A. LARSEN, Owner.  
Sworn to and subscribed before me this 11th day of October, 1919.

[SEAL]

CHALMER MUNDAY,  
Notary Public in and for the City and County of San Francisco, State of California.  
(My commission expires Oct. 18, 1921)

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

Plans Being Prepared.

**APARTMENTS** Cost, \$75,000  
**FRESNO**, Fresno Co., Cal. Van Ness and Sumner Streets.  
 Brick or concrete apartment house, 100x165.

Owner—G. Christopher, Care Bijou Theatre, Fresno.

Architects—Coates & Traver, Rowell Bldg., Fresno.

Plans Being Figured.

**ADDITION** Cost, \$15,000  
**SAN FRANCISCO**. NW Ellis and Jones Streets.  
 One-story brick addition to five-story brick apartments.

Owner—Dr. L. C. Mendell 415 Jones St., San Francisco.

Architect—Miss Grace Jewett, Room 814, 57 Post St., San Francisco.

Separate figures will be taken on plumbing, electric, work and heating.

Plans Being Prepared. Plans to be Figured Nov. 15, 1919.

**APARTMENTS** Cost, \$40,000  
**SAN FRANCISCO**. Western Addition. Three-story reinforced concrete (12) apartments 2 and 3 room each.

Owner—Withheld.  
 Manager of Construction and Designer—E. Blanckenberg, Room 707, 105 Montgomery St., San Francisco.

Plans Being Prepared.

**APARTMENTS** Cost, \$25,000  
**SAN FRANCISCO**.  
 Three-story and basement frame apartment house (5 room apts).

Owner—Withheld.  
 Architect—Arthur S. Bugbee, 316 Sharon Bldg., San Francisco.

Contract Awarded.

**ALTERATIONS** Cost, \$—  
**SAN FRANCISCO**. No. 1679 Haight St. Alter three-story frame building into stores and 3 large apartments.

Owner—Withheld.  
 Architect—J. F. Dunn, Phelan Bldg., San Francisco.

Contractor—F. L. Hansen, 2000 Polk St., San Francisco.

Contract Awarded.

**APARTMENTS, ETC.** Cost, \$25,000  
**SAN FRANCISCO**. Mason Street and Dikemans Place, bet. Ellis and O'Farrell Streets.

Three-story and basement Class "C" store and apartment house building.

Owner—Harvey M. Toy.  
 Architect—W. H. Weeks, 75 Post St., San Francisco.

Contractor—Daniel R. Wagner, 224 Judah St., San Francisco.

Owner Taking Figures.

**APARTMENTS** Cost, \$—  
**PATTERSON**, Stanislaus Co., Cal.  
 Two-story brick store and apartment building, four stores and 4 4-room apartments.

Owner—J. H. Evans, Patterson, Cal.  
 Architects—Reed & Corlett, Oakland  
 Bank of Savings Bldg., Oakland.

#### BANKS

Plans to be Prepared.

**BANK AND OFFICES** Cost, \$100,000  
**HANFORD**, Kings Co., Cal. Seventh and Dooty Streets.

Six-story fireproof bank and offices.  
 Owner—Farmers & Merchants Bank.

Judd Smith, Director, Hanford.  
 Architect—Withheld until negotiations are completed.

Contract Awarded.

**ALTERATIONS.** Cost, \$100,000  
**YAKIMA**, Wash.

Alterations for bank—3 vaults, rest rooms, fixtures, etc.

Owner—Yakima National Bank.  
 Architect—Doyle & Merriman, Seattle

National Bank Bldg., Seattle.  
 Contractor—Porter Bros., Spokane, Wash.

#### BONDS.

**MADERA**, Madera Co., Cal.—The \$100,000 bond election recently held carried by a large majority. Proceeds of the sale will finance the construction of a new high school building.

**MODESTO**, Stanislaus Co., Cal.—The City Council will shortly set a date for an election to vote bonds for the following improvements:

Aviation-Fair Grounds .....	\$ 50,000
Storm Sewers .....	75,000
Street Intersections .....	60,000
Septic Tank-Filter Beds .....	30,000
Street Equipment .....	15,000
Electrolier System .....	20,000
New City Park .....	15,000
Water Extensions and Wells .....	20,000
Sanitary Sewers .....	15,000

Total .....\$300,000

**KLAMATH FALLS**, Ore.—Bids will be received up to October 14th, by the Directors of the Enterprise Irrigation District, G. J. Hilliard, Secretary, for the purchase of \$40,000 in bonds with which to finance irrigation improvements.

**CUPERTINO**, Santa Clara Co., Cal.—A bond election to secure \$75,000 with which to erect a high school building is planned for November 12th by the Trustees of the Cupertino School District.

**OROVILLE**, Butte Co., Cal.—Resolutions asking the immediate calling of an election to vote bonds of \$1,800,000 with which to finance construction of a modern county highway system have been presented to the County Supervisors and it is believed that before the Board adjourns a date for the election will be set.

**LONG BEACH**, Los Angeles Co., Cal.—The Long Beach Board of Education has called an election for October 30 to vote on another issue of \$490,000

school bonds, of which \$150,000 is proposed to be expended on additions and remodeling at the Polytechnic High School; a new grammar school at Fourteenth and Linden and additions to other grammar schools are apportioned \$340,000.

**ATASCADERO**, San Luis Obispo Co., Cal.—The \$16,000 bond issue to finance construction of a new school building has been sold by the County Supervisors.

**MODESTO**, Stanislaus Co., Cal.—T. H. Kerwin offering a premium of \$25, secured the purchase of the \$5,750 worth of street improvement bonds, which will finance the paving of Stanislaus avenue.

**LODI**, San Joaquin Co., Cal.—Bids will be received by City Clerk H. S. Clark, up to November 3rd, 8 P. M., for the purchase of \$1,280.70 street improvement bonds.

#### CHURCHES

Plans to be Prepared. Funds Being Raised.

**CHURCH** Cost, \$100,000  
**ALAMEDA**, Alameda Co., Cal.  
 Brick or concrete church (to replace structure destroyed by fire.)

Owner—St. Joseph's Church. Rev. J. Bernard Praught, Pastor.  
 Architect—Not Selected.

Low Bidder.

**CHURCH** Cost, \$24,000 approximately.

**LOS ANGELES**. 42nd and San Pedro Streets.

One-story and basement frame and plaster church.

Owner—First Brethren Church.  
 Architect—C. E. Noerenberg, 601 Pacific Electric Bldg., Los Angeles.

Low Bidder—Alf Nelson, 137 E-27th St., Los Angeles.

Bids will be taken later for plumbing, wiring, heating, etc.

#### FACTORIES AND WAREHOUSES.

Contract Awarded.

**LAUNDRY** Cost, \$12,200  
**STOCKTON**, San Joaquin Co., Cal. E North Eldorado, bet. Flora and Poplar Streets.

Two-story brick and frame laundry.  
 Owner—Parisian French Laundry, J. L. Bernadieu, 324 E-Fremont St., Stockton.

Architect—Not Given.

Contractor—O. H. Chain, Farmers & Merchants Bank Bldg., Stockton.

Plans to be Prepared.

**CLEANING WORKS** Cost, \$35,000 including machinery, which is now being purchased.

**FRESNO**, Fresno Co., Cal. Southwest Voorman and "I" Streets.

Fireproof dry cleaning works.

Owner—Vapor Dry Cleaning Works. L. B. Bixler, President, 1237 "I" St., Fresno.

Architect—Not Yet Selected.

Plans to be Prepared.

**PACKING PLANT** Cost, \$——  
**MEDLEY**, Fresno Co., Cal.  
 Modern Packing Plant.  
 Owner—Porterville Canning Co., Paul  
 C. McAhee, President, Porterville.  
 Architect—Not Yet Selected.  
 Contract for the machinery has already  
 been let to a San Jose concern.

Plans Being Prepared.  
**AUTO STORAGE BLDG.** Cost, \$150,000  
**SPOKANE**, Wash. Main St. near Audi-  
 torium Bldg.  
 Five-story and basement reinforced  
 concrete, brick and terra cotta  
 auto storage building (100x135).  
 Owner—Arthur D. Jones & Co., Spo-  
 kane, Wash.  
 Architect—Rigg & Van Tyne, Empire  
 State Bldg., Spokane, Wash.

Working Drawings Being Prepared.  
**FACTORY** Cost, \$125,000  
**RICHMOND**, Contra Costa Co., Cal.  
 Three-story reinforced concrete ware-  
 house factory.  
 Owner—Company Organizing.  
 Architect—F. S. Holland, 1629 Folsom  
 St., San Francisco.

Contracts Awarded. Heating Figures  
 Being Taken.  
**REPAIRS** Cost, \$——  
**SAN FRANCISCO**. SW Golden Gate &  
 Octavia Street.  
 Repairs to four-story frame factory  
 building. Lower floor automobile  
 store and repair shop.  
 Owner—Eisenbach Co.  
 Architect—A. H. Knoll, 1023 Hearst  
 Bldg., San Francisco.

Plumbing awarded to J. J. McLeod,  
 1246 Golden Gate Ave. at \$2500.  
**Glass**, W. P. Fuller & Co., Beale and  
 Mission Streets, \$800.  
**Electric Work**, Rosenberg, — Web-  
 ster Street, \$2200.

**Mill Work, Carpentry, Sheet Metal**  
**and Plastering**, Louis Fontenalla, 1920  
 Pine St., day's work.  
**Elevator**, San Francisco Elevator  
 Co., \$1200.

**Painting**, John Metzner, Inc., 1273  
 Fulton St., \$240.  
**Concrete**, Patrick Hurley, 578 Eliza-  
 beth St., \$500.

**Marble**, Julius Back Co., 1533 San  
 Bruno Ave., \$800.  
**Fire Escapes**, Western Iron Works,  
 \$1400.

Western Glass Products Company,  
 recently organized with a capital of  
 one million dollars, has secured a ten-  
 acre site at Torrance, Cal., on which it  
 is proposed to erect a plant for the  
 manufacture of glass products. The  
 company owns the patent rights for  
 the manufacture of reinforced or  
 fabricated glass, burial caskets made  
 of molded glass. It will also manu-  
 facture reinforced tombstones and  
 bases of the same material. Cut-glass  
 table and kitchenware will also form  
 an important part of the industry.  
 The company intends to extend its  
 business to the Orient. It is expected  
 the plant will be in operation by Janu-  
 ary 1, 1921. H. S. Tyree is president.

**SACRAMENTO**, Cal.—George C. Sher-  
 man, Manager of the Capital Candy  
 & Cracker Co., 810 Second St., Sacra-  
 mento, announces that his firm is con-  
 sidering plans for the re-building of  
 its plant destroyed by fire recently.

The size, character of construction and  
 other details cannot be given out at  
 this time, according to Mr. Sherman.

## FIRE HOUSES AND JAILS

Contract Awarded.  
**STORES** Cost, \$20,000 Building  
 Complete.  
**SAN FRANCISCO**. N Bush 137-6 W  
 Taylor Street.  
 One-story and basement brick stores.  
 Owner—Paulina Schoenberg, 2010  
 Pacific Ave., San Francisco.  
 Architect—Mel I. Schwartz, Nevada  
 Bank Bldg., San Francisco.  
 General Contractor—Robinson & Gil-  
 lespie, 1051 Sutter St., San Fran-  
 cisco.

## GARAGES

Contract Awarded.  
**GARAGE** Cost, \$20,500  
**MADERA**, Madera Co., Cal.  
 One-story brick and concrete garage,  
 100x150.  
 Owner—N. Barsotti.  
 Lessee—C. A. Chamberlain.  
 Architects—Swartz & Swartz, Rowell  
 Bldg., Fresno.  
 Contractor—Robert W. Brown, Madera

Plans Being Figured.  
**GARAGE** Cost, \$——  
**LOS ANGELES**, Cal. Figueroa Street  
 N of Pico.  
 Two-story and basement Class "A"  
 Commercial garage, 100x150.  
 Owner—J. A. Graves.  
 Lessee—Maxwell-Hoffman Co.  
 Architects—Morgan Walls & Morgan,  
 124 Van Nuys Bldg., Los Angeles.

Plans Being Figured.  
**GARAGE** Cost, \$——  
**LOS ANGELES**, SE Eleventh and  
 Flower Streets.  
 Three-story Class "A" garage building,  
 150x155.  
 Owner—Mrs. S. H. Van Nuys.  
 Architects—Morgan Walls & Morgan,  
 1124 Van Nuys Bldg., Los Angeles.

Plans Being Prepared.  
**GARAGE** Cost, \$8,000  
**SAN FRANCISCO**. Hoff Ave near 16th  
 Street.  
 One-story reinforced concrete garage.  
 Owner—Withheld.  
 Architect—Arthur S. Bugbee, 316  
 Sharon Bldg., San Francisco.

Contract Awarded.  
**GARAGE, ETC.** Cost, \$35,000  
**MODESTO**, Stanislaus Co., Cal. Hig-  
 ueroa Street.  
 Two-story reinforced concrete and  
 steel garage, 116x75, and remodel  
 adjoining building.  
 Owner—C. H. Kanm.  
 Architect—None.  
 Contractor—Theo. Maino, Modesto.

Plans Being Refigured.  
**MACHINE SHOP.** Cost, \$7,500  
**SAN FRANCISCO**. E Sixth Street S of  
 Bryant.  
 One-story concrete and frame machine  
 shop building.  
 Owner—Withheld.  
 Architect—Henry C. Smith, Humboldt  
 Bank Bldg., San Francisco.

## GOVERNMENT WORK AND SUPPLIES

**WASHINGTON, D. C.**—The contract  
 for the construction complete of the  
 U. S. post office at Winnemucca, Nev.,  
 has been awarded to Frank Gallagher,  
 180 Jessie St., San Francisco, at \$41,-  
 280. Time for completion, one year.

**WASHINGTON, D. C.**—The contract  
 for renewing old floors in wards A, B  
 and C, U. S. marine hospital, San  
 Francisco, has been awarded to M. E.  
 Vukljevich, 1442 Taraval St., San  
 Francisco, at \$2,438. Time to complete,  
 14 days.

**WASHINGTON, D. C.**—The follow-  
 ing bids were received on September  
 24 by the Public Works Officer, Puget  
 Sound navy yard, Washington. Specifi-  
 cation 4009, for constructing exten-  
 sion to building No. 178 at the Puget  
 Sound navy yard:

Item 1, work, complete; 2, furnishing  
 and erecting all structural steel work;  
 3, complete, except work under item 2;  
 4, deduct from item 1 for omission of  
 the mezzanine floor, steel stairs, and  
 other materials and work which this  
 omission would require.

Garrick & Garrick Co., item 2, \$35,-  
 375, time 180 days; (4) \$34,200, alter-  
 nates, \$38,375 and \$37,200, time 60 days.  
 A. W. Quist & Co., item 1, \$85,834,  
 120 days, alternate, \$79,824, 180 days;  
 (2) \$46,205, 90 days; (3) \$39,629, 120  
 days; (4) \$1,400, 90 days.

**WASHINGTON, D. C.**—Plans for  
 radio building and incidental work at  
 the Puget Sound Navy Yard are near-  
 ing completion in the offices of the  
 Bureau and a call for bids will be  
 issued shortly. This work is pro-  
 vided for under Specification 4050.

**WASHINGTON, D. C.**—The Bureau  
 of Yards and Docks, Navy Department,  
 has awarded a contract to the Allis-  
 Chalmers Mfg. Co., Milwaukee, Wis., at  
 \$56,900 for installing a reciprocating  
 air compressor at the Puget Sound  
 Navy Yard. Shipment is to be made  
 within 150 days. The contract is pro-  
 vided for under specification 3837.

**WASHINGTON, D. C.**—The follow-  
 ing bids were received on September  
 25 at the bureau of yards and docks,  
 Navy Department, specification 4030,  
 for paving roads at San Diego:

W. E. Kier Construction Co., item 1,  
 \$3,433; (2) add 16c and deduct 12c.  
 M. D. Goodbody, item 1, \$3,663.85, 20  
 days; (2) 167c.  
 David H. Ricah, item 1, \$3,848; (2)  
 17.55c.

**WASHINGTON, D. C.**—The bid of  
 the Hawaiian Dredging Co. (Ltd.),  
 Honolulu, H. T., \$57,225 in amount, has  
 been accepted for dredging reserve  
 channel, Honolulu Harbor, bids for  
 which were opened August 26.

The contract for dredging main  
 basin, Honolulu Harbor, H. T., bids for  
 which were opened August 26, has been  
 awarded to the Hawaiian Dredging  
 Co., Honolulu, H. T., at \$140,790.  
 (28707) let report July 19, 1919. E

**HALL AND SOCIETY BUILDINGS.**

Sketches Prepared. Working Drawings to be Started Immediately.

**HOSPITAL BLDGS.** Cost, \$60,000  
NEVADA CITY, Nevada Co., Cal.  
County Hospital Grounds.

Two-story reinforced concrete main building, and ward building for County Hospital Group.

Owner—County of Nevada.

Architect—Wm. Mooser, Nevada Bank Bldg., San Francisco.

Working Drawings Complete and Awaiting Approval.

**HOSPITAL** Cost, \$100,000  
MADERA, Madera Co., Cal. County Hospital Site.

Two-story granite and concrete county hospital building.

Owner—County of Madera.

Architect—E. Mathewson, Cory Bldg., Fresno.

**PORTERVILLE, Tulare Co., Cal.**—The Elks' lodge has decided to form a building association with \$75,000 capital to erect a clubhouse. The finance committee consists of A. J. Newbury, W. E. Sprunt, V. D. Knupp and J. A. Ulmer.

**SANTA BARBARA, Cal.**—The new fire station on Chapala street will be erected by day work under the direction of W. B. Aldrich, City Building Inspector. Only one bid for erecting this building, from Sam Hunter, at \$21,200, was received and rejected. The plumbing will be let to John Dugan at \$1958, sheet metal work to Ott Hardware Co. at \$138.50, and electric wiring to Fred A. Downer Co. at \$550.

**HOSPITALS**

General Contract Awarded. Sub-Figures to be Taken in About Ten Days.

**HOSPITAL** Cost, \$50,000, approximately.

**SAN FRANCISCO.** Buena Vista and Park Hill Avenues.

First unit of reinforced concrete hospital (boiler house and basement of main hospital building, which will be used for the male help.)

Owner—St. Joseph's Hospital.

Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

Contractor—Ed. Zinkand & Son, 434 10th Ave., San Francisco.

Sub-figures will be taken in about ten days for heating, plumbing, electric work, etc. The total cost of this building will be about \$85,000.

Sub-Figures and Material Figures to be Taken.

**HOSPITAL** Cost, \$—  
OAKLAND, Alameda Co., Cal. Fruitvale Hills.

First unit of reinforced concrete hospital.

Owner—California Memorial Hospital, Monadnock Bldg., San Francisco.

Architect—Carl Werner, Phelan Bldg., San Francisco.

Supervising Contractors—Onward Investment Co., Humboldt Bk. Bldg., San Francisco.

All figures for materials and contracts will be taken by Col. A. R. Panets at Room 447 Monadnock Bldg., San Francisco.

Plans Completed.

**HOTEL** Cost, \$100,000  
FRESNO, Fresno Co., Cal. SW Corner Kern and "I" Streets.

Three-story and basement Class "E" (pressed brick and terra cotta) hotel and 8 stores, 100 rooms, 75 x 150.

Owner—W. J. O'Neill, Kern and "I" Sts., Fresno.

Lessee—Mrs. L. Jones, Hotel Savoy, Fresno.

Architect—Withheld.

Contract Awarded.

**HOSPITAL** Cost, \$90,200  
VENTURA, Ventura Co., Cal.  
Class "A" County Hospital.

Owner—Ventura County.

Architect—Albert C. Martin, 430 Higgins Bldg., Los Angeles.

Contractor—Edward C. English, 508-10 Citizens National Bank Bldg., Los Angeles.

**HOTELS**

Contract Awarded.

**ALTERATIONS.** Cost, \$4600  
SAN FRANCISCO, 154 Ellis St. N side between Powell and Mason.

Alterations to hotel. (New front, lobby, writing room, marble wainscot, mahogany trim, etc.)

Owner—Hotel Statler, Premises.

Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Contractor—Ruegg Bros., Pacific Bldg., San Francisco.

Ready for Figures in a Few Days.

**HOTEL.** Cost, \$—  
MERCED, Merced Co., Cal. "M" and 17th Streets.

Two-story brick hotel building (75 rooms, 75 bathrooms.)

Owner—Withheld.

Architect—A. W. Cornelius, Merchants National Bank Bldg., S. F.

Plans Being Figured.

**STORE & HOTEL.** Cost, \$—  
BAY PONT, Contra Costa Co., Cal.

Two-story frame and stucco store and hotel building.

Owner—Turner Bros.

Architect—A. W. Cornelius, Merchants National Bank Bldg., S. F.

**LIBRARIES**

Plans Being Prepared.

**LIBRARY** Cost, \$45,000  
SAN FRANCISCO, W. Powell Street, bet. Washington and Jackson Sts.

One-story reinforced concrete and brick library.

Owner—S. F. Library Trustees.

Architect—G. A. Lansburgh, 709 Mission St., San Francisco.

Plans will be completed in November, when figures will be taken on both this job and the two-story concrete and brick library building on N Sacramento street, between Lyon and Baker streets, for which Mr. Lansburgh is also the architect.

**PUBLIC BUILDINGS**

Plans Approved. Bids to Be Called shortly.

**OFFICE BLDG.** Cost, \$600,000  
OLYMPIA, Wash. State Capitol Grounds.

Owner—State of Washington.

Architect—Wilder & White, New York, N. Y.

It is planned to have the structure ready for occupancy Jan. 1, 1921.

**RESIDENCES.**

Being Done by Days Labor.

**BUNGALOW** Cost, \$—  
SAN MATEO, San Mateo Co., Cal.

One-story frame bungalow.

Owner—Wm. H. Toepke.

Architect—Wm. H. Toepke, 942 Market St., San Francisco.

Plans Complete. Figures to be Called in About a Week.

**RESIDENCE** Cost, \$15,000  
SAN FRANCISCO. Bush E. of Taylor.

Two-story Class "A" residence for Fire Chief (19 rooms, operators' quarters and garage.)

Owner—City and County of San Francisco.

Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.

**SAN FRANCISCO.**—W. F. Wilson, 328 Mason street, has been awarded the heating contract for the two-story and basement frame residence of B. F. Schlesinger at the northeast corner of Vallejo and Buchanan streets, for which Walter Sorensen of Berkeley is the general contractor.

Clarence A. Tantau, Clunie Bldg., San Francisco, is the architect.

Plans Being Prepared.

**COTTAGES** Cost, \$—  
OAKLAND, Cal. Vicinity of E-14th Street and 55th Avenue, 50 acre tract.

About 200 one-story frame cottages (5 and 6 rooms each).

Owner—Ruegg Bros. (Contractors), Pacific Bldg., San Francisco.

Designers—Owners.

Construction will start about the first of the year. The buildings will be put up in groups of about twenty at a time.

Plans Being Prepared.

**RESIDENCE** Cost, \$25,000  
HILLSBOROUGH, San Mateo Co., Cal.

Two-story frame residence and garage (15 rooms and 3 bathrooms).

Owner—Withheld.

Architect—Maybeck, Howard & White, Lick Bldg., San Francisco.

Plans Being Figured. Bids Close Nov. 3, 1919, 11 A. M.

**NURSES' COTTAGE.** ETC. Cost, \$—  
SAN JOSE, Santa Clara Co., Cal.

County Hospital Grounds.

Nurses' cottage and isolation building for County Hospital.

Owner—Santa Clara County.

Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Plans may be had from Henry A. Pfister, County Clerk.

Completing Plans. To Take Segregated Figures in a Few Days.

**ALTERATIONS** Cost, \$—  
SAN FRANCISCO, N. Pacific Ave. W. Franklin Street.

Extensive alterations to a three-story frame residence (erect separate garage, paint exterior, plaster and paint interior, new shades, etc.)

Owner—Withheld.

Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.



Contract Awarded. Contractor Taking Sub-Figures.  
**RESIDENCE** Cost, \$24,000  
**JOHN MATEO**, San Mateo Co., Cal.  
 Two-story frame and plaster residence (12 rooms).  
 Owner—W. C. Ditton.  
 Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.  
 Contractor—W. C. Duncan Co., Sharon Bldg., San Francisco.

Plans Being Figured.  
**ITERATIONS** Cost, \$—  
**AN FRANCISCO**, No. 182 Thirty-second Avenue.  
 Iterations to two-story frame and brick residence (concrete wine cellar, etc.).  
 Owner—Mrs. Eliz M. Hirsch, Premises.  
 Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Plans Being Prepared.  
**RESIDENCE** Cost, \$25,000 to \$30,000.  
**MEDMONT**, Alameda Co., Cal. Crocker and La Salle Avenues.  
 Two-story brick Colonial residence (11 rooms).  
 Owner—C. C. Clay, Care Sherman & Clay.  
 Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Contract Awarded on a Percentage Basis.  
**RESIDENCE** Cost, \$20,000  
**HOLLYWOOD**, Los Angeles Co., Cal.  
 Whitley Heights  
 Two-story and basement frame and plaster residence (8 rooms and 3 bathrooms).  
 Owner—H. J. Whitley.  
 Designer and Contractor—A. S. Barnes 1103 Story Bldg., Los Angeles.

To be Done by Days Labor. Sub-figures Being Taken.  
**BUNGALOWS** Cost, \$3500 each  
**SAN FRANCISCO**, Cortland Ave. and Santa Maria.  
 Two one-story four-room frame bungalows.  
 Owner—Mr. Gerdes.  
 Contractor—Walter C. Falch, Hearst Bldg., San Francisco.

## SCHOOLS

**BRENTWOOD**, Contra Costa Co., Cal.  
 The following bids were received October 4th by Robert Wallace Jr., Clerk of the Liberty Union High School District, for the construction of a one-story concrete and frame high school building, from plans prepared by Architect Jas. T. Narbett of Richmond:

### General Construction.

J. D. Hannah, San Francisco...\$63,795  
 Unit Constr. Co., S. F..... 67,722  
 Del Favero & Rasori, S. F..... 71,595  
 P. R. Ward, S. F..... 72,949  
 Peterson & Pierson, S. F..... 74,485  
 Alfred H. Vogt, S. F..... 74,843

### Plumbing.

John I. Collins (1) \$3272; (2) 210; (3) \$625 (low).  
 Scott Co., \$ (1) \$3768; (2) —; (3) —.  
 James & Drucker (1) \$3850; (2) \$200 (3) \$535.  
 J. E. O'Mara (1) \$4325; (2) \$275; (3) \$200.  
 A. Lettich (1) \$4640; (2) \$300; (3) \$275.

### Heating and Ventilating.

Scott Co. (1) \$9698; (20) \$10,678.  
 James A. Nelson (1) \$9989; (2) \$—  
 W. K. Nottingham (1) \$10,488; (2) \$10,938.  
 John I. Collins (1) \$11,403; (2) \$—.  
 Carl Doell (1) \$12,429; (2) \$13,086.  
 J. E. O'Mara (1) \$13,100; (2) \$13,700  
 Kiernan & O'Brien (1) \$13,145.

Plans Being Figured. Bids Close Oct. 25, 1919, 8 P. M.

**ADDITION** Cost, \$—  
**SALINAS**, Monterey Co., Cal. West End School.  
 Two-room addition and alterations to school.  
 Owner—City of Salinas School District  
 Architect—Ralph Wyckoff, 328½ Main St., Salinas.  
 Plans may be obtained from the County Superintendent of Schools at Salinas or at the architect's office.

**OAKLAND**, Cal.—Arrangements have been completed by the Board of Education for acquiring the site at Nineteenth avenue and East Seventeenth street for the proposed new double-high school building and civic center planned in East Oakland.

An architect or architects will be selected in November for the schools to be erected under the new bond election which is to be voted October 21st.

Sketches Approved. Working Drawings Being Prepared.

**SCHOOL** Cost, \$200,000  
**SAN FRANCISCO**, Broadway bet. Broderick and Baker Streets.  
 Grant School (18 rooms, assembly hall, manual training and domestic science departments).  
 Owner—City and County of San Francisco.

Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.

Plans Being Figured. Bids Close Oct. 25, 1919, 7:30 P. M.

**SCHOOL** Cost, \$—  
**HERMOSA BEACH**, Los Angeles Co., Cal.  
 Two-story brick school.  
 Owner—Hermosa Beach School District.

Architect—Herbert C. Howard, 619 Broadway Central Bldg., Los Angeles.

Separate bids will be taken for the general contract, plumbing, electric wiring, heating and ventilating, electric fixtures, and painting.

Contractor Taking Sub-Figures.

**SCHOOLS** Cost, \$90,788  
**MERCED**, Merced Co., Cal.  
 Three brick and concrete high school buildings.  
 Owner—Merced Union High School District.

Architects—Allison & Allison, Hibernian Bldg., Los Angeles.  
 General Contractor—E. E. Etherton, Mondanock Bldg., San Francisco.

Mr. Etherton is taking sub-figures for glazing, mill work, miscellaneous and ornamental iron and brick work. The following two contracts have been awarded: **Reinforcing steel** to W. B. Kyle Co., Call Bldg., San Francisco and the **terra cotta work** to The Los Angeles Pressed Brick Co., Frost Bldg., Los Angeles.  
 (Mr. Etherton's contract includes,

excavating, concrete, masonry, terra cotta work and all carpentry work.)

Plans Being Prepared.

**ADDITIONS** Cost, \$75,000  
**SANTA MONICA**, Los Angeles Co., Cal.  
 Adams, McKinley and Washington Schools.  
 Additions to three brick schools.  
 Owner—Santa Monica School District.  
 Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

Contracts Awarded.

**SCHOOL** Cost, \$—  
**BRENTWOOD**, Contra Costa Co., Cal.  
 One-story concrete and frame school.  
 Owner—Liberty Union High School District.

Architect—Jas. T. Narbett, Richmond.  
**General Construction**, J. D. Hannah, 142 Sansome St., San Francisco, \$63,795  
**Plumbing** to John I. Collins, 252 17th St., Richmond.

**Heating and ventilating** to Scott Co., 243 Minna St., San Francisco.

Contract Awarded

**SCHOOL** Cost, \$12,500  
**CORDUA**, Yuba Co., Cal.  
 One-story hollow tile school.  
 Owner—Cordua School District.  
 Architect—Chester Cole, Waterlund-Breslau Bldg., Chico.  
 Contractor—W. R. Campbell, Sacramento.

Plans Being Figured. Bids Close Oct. 18, 1919.

**SCHOOL** Cost, \$50,000  
**FRESNO**, Fresno Co., Cal.  
 One-story stucco grade school.  
 Owner—Oil King School District.  
 Architect—Ernest J. Kump, 207 Rowell Bldg., Fresno.  
 W. L. Rector is Clerk of the Board.

Plans Completed.

**SCHOOL** Cost, \$84,000  
**FRESNO**, Fresno Co., Cal.  
 Washington School (8 rooms and shop)  
 Owner—City of Fresno. J. R. Fontaine, Secretary Board of Education.

Architect—Eugene Mathewson, Cory Bldg., Fresno.

Bonds Voted. Working Drawings Completed and Approved.

**SCHOOL** Cost, \$100,000  
**MADERA**, Madera Co., Cal.  
 Fireproof high school building.  
 Owner—Madera Union High School District.  
 Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Sketches Approved. Figures to be Called About January 1st.

**SCHOOL** Cost, \$90,000  
**SAN FRANCISCO**, Nineteenth Ave. & Irving (Jefferson School).  
 Two-story frame and brick veneer school (16 classrooms).  
 Owner—City and County of San Francisco.  
 Architect—J. R. Miller, Lick Bldg., San Francisco.

Working Drawings Being Prepared. Ready for Figures About January.  
**SCHOOL** Cost, \$500,000  
**SAN FRANCISCO**, Van Ness Avenue near Chestnut Street.  
 Class "A" school (1500 pupils). Steel frame, brick exterior, concrete floor.

Owner—City and County of San Francisco.

Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.

Plans Being Prepared. Ready for Figures in About Three Weeks.

SCHOOL Cost, \$80,000.  
SAN FRANCISCO. Harrison Street, bet. 10th and 11th Streets.

Two-story school (10 rooms) Type of construction not decided.

Owner—City and County of San Francisco.

Architect—John Reid Jr., 1st National Bank Bldg. San Francisco.

Plans Being Prepared.

ADDITION Cost, \$60,000  
FRESNO, Fresno Co., Cal.

Addition to Longfellow School.

Owner—City of Fresno, J. R. Fontaine, Secretary Board of Education, Fresno.

Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Figures Being Taken From Revised Plans. Bids Close Oct. 18, 2 P. M.

SCHOOL Cost, \$10,000  
ROSEDALE, Fresno Co., Cal.

Two-room school building, including library and toilets.

Owner—Rosedale School District.

Architect—Glass & Butner, Hearst Bldg., San Francisco, and Cory Bldg., Fresno.

Plans Being Figured. Bids Close Oct. 21, 1919, 7:30 P. M.

SCHOOL Cost, \$—  
IMPERIAL, Imperial Co., Cal.

Grade school.

Owner—Imperial School District, D. C. Gale, Clerk.

Architect—Don W. Wells, El Centro.

Bids will be taken separately on the general work, plumbing, heating, painting and electric work.

Plans Being Figured. Bids Close Oct. 17, 1919.

TEACHERAGE Cost, \$—  
EL CENTRO, Imperial Co., Cal.

Erect teacherage.

Owner—Jasper School District.

Architect—Don M. Wells, El Centro.

Bids will be received by the County Superintendent of Schools, E. B. Holt, Clerk at El Centro.

Plans Being Prepared.

ART BUILDING Cost, \$32,000  
CHICO, Butte Co., Cal. State Normal School Grounds.

Art building.

Owner—State of California.

Architect—State Department of Engineering, Sacramento.

Plans Nearing Completion.

SCHOOL Cost, \$50,000  
COQUILLE, Ore.

One-story hollow tile school.

Owner—Coquille School District.

Architect—Tourtelotte & Hummel, McKay Bldg., Portland, Ore.

Plans Being Prepared.

CHICO, Butte Co., Cal. Chico Normal School Grounds.

Alter museum quarters into social hall and alter basement for museum quarters, rest rooms, etc.

Owner—State of California.

Architect—State Department of Engineering, Sacramento.

ALAMEDA, Cal.—The following bids were received by the Alameda Board of Education on October 7th for an addition and finishing of community rooms, etc., at the Washington School, a two-story brick structure. Plans were prepared by Architect Henry H. Meyers, Kohl Bldg., San Francisco. Bids were taken under advisement.

#### General Contract.

W. G. Thornally, 3027 E-16th St., Oakland, \$9,462.

Jas. H. Pedgrift, Oakland, \$11,512.

#### Plumbing.

Thos. R. Capping, Alameda...\$2,299

Frederick W. Snook, S. F....2,340

Carl T. Doell, Oakland.....2,375

J. E. O'Mara, S. F.....2,525

Scott Co., S. F.....2,781

A. Lettich, S. F.....2,942

BRENTWOOD, Contra Costa Co., Cal.—J. D. Hannah, 142 Sansome St., San Francisco, submitted the lowest bid at \$74,260 for the construction of a one-story concrete and frame high school building for the Liberty Union High School District from plans prepared by Architect Jas. T. Narbett of Richmond.

The Unit Construction Co. of San Francisco, submitted the next lowest bid at \$78,060. A complete list of bids will be published later.

SAN RAFAEL, Marin Co., Cal.—The Roman Catholic Archbishop, 1100 Franklin street, San Francisco, plans the erection of a seminary in San Rafael on property already acquired. A building costing \$250,000 is planned.

From the residence of the Archbishop it is learned that while construction of the building is planned no work will be commenced at this time, nor has an architect for the work been selected.

MODESTO, Stanislaus Co., Cal.—The City Board of Education has awarded a contract to C. F. Weber Co., 985 Market street, San Francisco, for furnishing and installing 200 metal lockers on its bid of \$1,150 in the high school building.

## STORES AND OFFICES

Plans Being Prepared.

ALTERATIONS Cost, \$20,000  
SAN FRANCISCO. SE Sixth & Market Streets.

Alter second floor of Hewes Building (marble work, bronze and mahogany fixtures, etc.) for offices (bank style).

Owner—Western States Life Insurance Company.

Architect—Reid Bros., 105 Montgomery St., San Francisco.

Plans Being Prepared.

MARKET BUILDING Cost, \$—  
SAN FRANCISCO. Clement Street.

One-story frame market building.

Owner—Withheld.

Architect—C. Fantoni, 650 Montgomery St., San Francisco.

Plans Being Prepared.

AUTO SALES BLDG. Cost, \$—  
SAN FRANCISCO. SW Van Ness Ave. and Jackson Street.

Two-story reinforced concrete auto sales building.

Owner—E. L. Hueter, Flatiron Bldg., San Francisco.

Designers—Clinton Construction Co. 140 Townsend St., San Francisco.

Ready for Figures Next Week.

STORE & LOFTS Cost, \$—  
SAN FRANCISCO. California Street near Front Street.

Two-story and basement fireproof store and loft building.

Owner—Walter Sullivan, 129 Sutter St., San Francisco.

Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

A contract will be signed this week for grading the lot.

Plans to be Prepared.

ADDITION Cost, \$—  
SAN FRANCISCO. SE Front and California Streets.

Three-story addition to two-story Class "A" store and office building.

Owner—Walter Sullivan and Julius Eisenbach, 129 Sutter St., San Francisco.

Architect—Not Selected.

Plans Being Figured.

STORE Cost, \$—  
FRESNO, Fresno Co., Cal. North "H" Street.

One-story brick or concrete store.

Owner—James Porteus, 1095 North Van Ness Ave., Fresno.

Architect—Eugene Mathewson, Cory Bldg., Fresno.

Contract Awarded. Sub-Figures to be Taken.

OFFICE, ETC. Cost, \$100,000  
EMERYVILLE, Alameda Co., Cal.

Harlan and Park Streets.

Two-story Class "C" office and cafeteria building.

Owner—Western Canning Co., Prem.

Architect—Geo. Wm. Kelham, Sharon Bldg., San Francisco.

Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

Work will start next week.

Plans Being Prepared.

ALTERATIONS Cost, \$5,000  
FRESNO, Fresno Co., Cal. Van Ness and Amador Streets.

Alterations and additions for undertaking parlors and chapel.

Owner—Lisle & Ross, "K" and Tuolumne Sts., Fresno.

Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Contract Awarded.

ALTERATIONS Cost, \$—  
SAN FRANCISCO. Nos. 37-39 Stockton Street.

Alter three-story store building (install new glass front, store fixtures, etc.)

Owner—California Credit Clothing Co., Premises.

Architect—Bernard J. Joseph, New Call Bldg., San Francisco.

Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.

Changing Plans.

DECORATING Cost, \$—  
SAN FRANCISCO. No. 168 O'Farrell.

Interior decorating for cafe.

Owner—John Tait, Premises.

Architects—Ward & Blohne, Alaska Commercial Bldg., San Francisco.

Steel Figures to be Taken Next Week.

OFFICE BUILDING Cost, \$100,000  
SAN FRANCISCO. N Pine Street, bet.

Front and Davis, W. of Oceanic Building.

Two-story and basement Class "A" office building (frame to be strong enough for 6 additional stories) 87½ foot frontage.

Owner—Ames-Harris Neville Co., 100 Potrero Ave., San Francisco.

Architect—J. R. Miller, Lick Bldg., San Francisco.

The entire first floor will be used for offices of the owners.

Revised Plans Prepared. Contract Awarded.

1 AUTO SALESROOMS. Cost, \$40,000 SEATTLE, Wash. Hubble Way and Pike street.

Two-story concrete and terra Cotta auto salesrooms.

Owner—T. C. McHugh.

Architect and Contractor—Seattle Building Co., Smith Bldg., Seattle, Wash.

Plans Being Prepared. Contract Awarded.

STORES. Cost, \$17,000 PORTLAND, Ore. SE Gilsan and Broadway.

One-story and basement brick and concrete stores (40x100).

Owner—Name withheld.

Architect—Chas. W. Ertz, Pittcock Block, Portland, Ore.

Contractor—Ertz & Wegman, Pittcock Block, Portland, Ore.

Contract Awarded. STORES. Cost, \$19,000

PORTLAND, Ore. Broadway and Flanders.

One-story brick stores (90x100).

Owner—The Stone Estate.

Architect—Chas. W. Ertz, Pittcock Block, Portland.

Contractor—Ertz & Wegman, Pittcock Block, Portland.

Sub-contracts have been let as follows: J. K. Flynn, brick work; Gunther-King Co., roofing and sheet metal work; W. G. Mannon, plaster; De Temple Co., plumbing; Davidson Electric Co., electric work.

Contract Awarded. STORES. Cost, \$20,000

PORTLAND, Ore. Sixth and Gilsan.

One-story brick stores (100x100).

Owner—Chas. Siglin.

Architect—Chas. W. Ertz, Pittcock Block, Portland.

Contractor—Ertz & Wegman, Pittcock Block, Portland.

Contract Awarded. STORES. Cost, \$125,000

SEATTLE, Wash. NE 2nd avenue and Marion street.

Two-story and basement concrete stores (108x120).

Owner—Boyle Estate.

Architect—John Graham, Green Bldg., Seattle, Wash.

Contractor—C. C. Cowsey, Seattle, Wash.

VALLEJO, Solano Co., Cal.—The erection of a modern office building in Georgia street adjoining the St. Vincent Hotel is planned by the Vallejo Electric Light & Power Company, according to the manager of the company, Albert Casper, 428 Georgia St., Vallejo.

Preliminary plans for the building are now in the hands of the owners.

It is planned to erect a three-story building of fireproof construction.

The name of the architect is withheld for the present until a decision is reached with the preliminary drawings.

Superintendent to Take Sub-figures. GARAGE, ETC. Cost, \$20,000

HAYWARD, Alameda Co., Cal. 812 "A" and Main Streets.

Two-story reinforced concrete garage and auto sales rooms (Chevrolet Motor Car Co.)

Owner—Mrs. Armstrong, Hayward.

Architect—Sidney R. Newsom, Nevada Bank Bldg., San Francisco.

Superintendent—R. F. Buckman, 329 Castro St., Hayward.

Plans will be completed in about a week.

Segregated Figures Being Taken. STORES. Cost, \$25,000

SAN FRANCISCO. S Post 210 E Larkin Street.

One-story and basement brick stores, 65x89.

Owner—Jackson R. Myers.

Architect—Earle B. Bertz, 68 Post St., San Francisco.

Grading and Brick Work and Carpentry Contracts Awarded.

STORES. Cost, \$10,000 Building Complete.

SAN FRANCISCO. N Post 70 W Leavenworth Street.

One-story brick stores, 40x60.

Owner—Paulina Schoenberg, 2010 Pacific Ave., San Francisco.

Architect—Mel L. Schwartz, Nevada Bank Bldg., San Francisco.

Brick work and grading awarded to Harry Drake.

Carpentry Work to Robinson & Gillespie, 1051 Sutter St., San Francisco.

## THEATRES

Plans Being Figured. THEATRE. Cost, \$100,000

MODESTO, Stanislaus Co., Cal.

One-story and balcony Class "A" theatre (1800 seating capacity).

Owner—San Francisco Men.

Architects—Reid Bros., 105 Montgomery St., San Francisco.

Figures will be taken for a general contract also separate contracts.

Plans Being Prepared. THEATRE. Cost, \$30,000

SANTA MONICA, Los Angeles Co., Cal. Brick and concrete open air theatre.

Owner—Santa Monica High School District.

Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

## ENGINEERING

### BRIDGES, DAMS & HARBOR WORK

NEWPORT BEACH, Orange Co., Cal.—The Pacific Electric and Southern

Pacific Railroad companies have arranged with the Orange County Harbor Commission to build a joint bridge

over the new mouth of the Santa Ana River. The bridge will consist of

three 60-foot steel spans with reinforced concrete piers and pile trestle

# Pacific PIPE

SAVES YOU MONEY

New and re-nerved screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,

231 Howard St.      San Francisco

approaches. The county will pay \$20,000 on the cost of the structure.

SACRAMENTO, Cal.—The State Department of Engineering has awarded a contract to the Linscott Drilling Co., Balboa Bldg., San Francisco, for drilling a well at the Chico Normal School. The contract price runs in the neighborhood of \$10,000.

SACRAMENTO, Cal.—Major Paul M. Norhoe, Assistant State Engineer, states that a final report regarding the approximate cost and other features concerning the proposed Sacramento ship canal will be ready before the end of the year.

County Clerk H. G. Kuhn will receive bids up to October 24th, 10 A. M., for the construction of a reinforced concrete bridge across Hooker Creek, in Supervisor District No. 1, and a steel girder bridge across Dry Creek, near the Alford place, in Supervisor District No. 1.

SAN JOSE, Santa Clara Co., Cal.—County Clerk Henry Pfister will receive bids up to November 3rd, 11 A. M., for the construction of bridges as follows:

Concrete bridge on Hillsdale avenue in Supervisor District No. 4. Concrete bridge on Bubb road at Hanrahan's place in Supervisor District No. 5.

Separate bids will be opened on the same date for the construction of a reinforced concrete bridge over Oat Creek, near the Brophy place, in Supervisor District Nos. 2 and a reinforced concrete bridge over Cold Fork of Cottonwood in Supervisor District No. 2. Bidders must state the amount for each bid separately.

(30593) 1st report July 19, 1919. E

RED BLUFF, Tehama Co., Cal.—Bids received by the County Supervisors for the construction of the Eliza Creek and Brush Creek bridges shows

Chas. E. McCartney low at \$10,722 and he was awarded the contract. Other bids were:

Boardwell & Zimmerman.....	\$11,822
Geo. G. Pollock Co.....	14,944
Engineer's Estimate, \$12,200.	

Bids submitted for the balance of the structures were rejected. They were as follows:

**Capay Rancho Bridges. Engineer's Estimate, \$9,000.**

Geo. G. Pollock Co.....	\$18,222
Boardwell & Zimmerman.....	12,000
Teal & Thompson.....	13,300

Work on these structures was ordered done by day labor.

**Thomas Creek Bridge. Engineer's Estimate, \$80,000.**

Ross Construction Co.....	\$136,000
Geo. G. Pollock Co.....	129,640
Dry Creek Bridge. Engineer's Estimate, \$5,000.	

Edw. H. Smith.....	\$17,984
Geo. G. Pollock Co.....	15,640
Ross Construction Co.....	15,974
Widenang and Repairing Coyote Creek Bridge. Engineer's Estimate \$1,000	
Chas. E. McCartney.....	\$6,100

Plans for the above bridges were prepared by Engineers Weeks & Day, Phelan Bldg., San Francisco.

**RED BLUFF, Tehama Co., Cal.**—The Supervisors have awarded a contract to Engineers Weeks & Day, Phelan Bldg., San Francisco, to prepare plans for a bridge across McCarty Creek, near Paskenta, they being low bidders at 3 per cent. The structure will be about 90 feet long.

**OAKLAND, Cal.**—Commissioner of Public Works Frederick Soderberg, has announced that he will submit a proposal to the City Council asking that bonds of \$460,000 be provided for in the election to be held October 24th with which to finance construction of harbor improvements.

**BONANZA, Ore.**—Bids are being received by The Horsefly Irrigation District of Klamath County, Ore., J. C. Paddock, Secretary, Bonanza, Ore., for the purchase of \$50,000 in bonds with which to finance improvements of the present irrigation system.

**EUREKA, Humboldt Co., Cal.**—A recommendation from the Board of Health for the construction of a sewer near the intersection of Sixth and Seventh streets and Myrtle avenue has been referred to a committee of the City Council for report as was a petition asking the construction of a storm sewer in L street.

**SAN FRANCISCO.**—City Engineer M. M. O'Shaughnessy is completing plans and specifications for the construction of a concrete bulkhead and retaining wall on Army street between Evans avenue and Iowa street. The work is estimated to cost \$50,000. A call for bids will be issued on completion of the plans.

**SAN ANDREAS, Calaveras Co., Cal.**—A. S. Dixon, Jenny Lind, Calif., has been awarded a contract by the County Supervisors for the construction of a reinforced concrete bridge at O'Neill's Crossing on the Bellota-Valley Springs Road, he being the only bidder at \$3,285.36.

The contract for the reconstruction of the so-called Donnalhan bridge on the highway between San Andreas and Mokelumne Hill was awarded to the only bidder, M. J. Hertzog of San Andreas at \$1,696.40, the lumber to be furnished by the county. A. W. Poe is County Clerk.

**SAN FRANCISCO.**—The Board of Public Works has approved plans for fender piling for the Third street bridge over the channel waterway and has requested the Supervisors to pass an ordinance authorizing the call of bids. The work will cost \$8,500.

**YUBA CITY, Sutter Co., Cal.**—Henry S. Maddox of the Sutter Basin Company has agreed to construct five timber bridges on the property of the Basin Company at a cost of \$2,400 each.

The plans have been approved by the County Engineer and on completion the structures will be taken over by the County.

**MODESTO, Stanislaus Co., Cal.**—The County Supervisors have awarded a contract to the Cotton Macaulay Co., 16 California St., San Francisco, for the construction of nineteen reinforced concrete bridges in various parts of the county, they being low bidders at \$61,294.

The bid submitted for the Dry Creek bridge on the Waterford-Passell was rejected by the Supervisors at it was decided to postpone construction.

**BOISE, Idaho.**—The United States Bridge Co., Great Falls, Montana, has been awarded the contract for the construction of the Homedale bridge at \$89,994, by the State of Idaho.

The structure will be of steel construction of four spans resting upon concrete piers. Each span will be 162 feet and 6 inches in length and will support an 18-foot roadway floored with bituminous pavement.

<b>SAN JOSE, Santa Clara Co., Cal.</b> —	
The Supervisors have awarded a contract to J. H. Miller at \$9,885 for the construction of a reinforced concrete bridge on Edmuns avenue in Supervisor District No. 1. Other bids were:	
E. Nommensen .....	\$10,950
Chas. Haggans .....	11,737
Wm. Martin .....	10,690
Surveyor's Estimate, \$10,950.	
Henry Pfister is County Clerk.	

**LOS ANGELES, Cal.**—The Ross Construction Co., of Sacramento, and San Diego, submitted the lowest bid at \$29,863 for the construction of two reinforced concrete bridges on Brand Blvd., over Verdugo wash. Other bids received by the Board of Supervisors were: Mercereau Bridge & Construction Co., \$29,900; John Simpson Co., \$34,226, and Hunter & Watson, \$45,630. All bids were referred to the Road Department. The bridges will each be 24 feet wide and 90 feet long, girder type, consisting of three spans with concrete piers and abutments. They will carry the roadway on either side of the Pacific Electric right of way on which the railroad company has also agreed to build a concrete bridge. The plans were prepared in the County Road Department. The bridges are

being built in connection with a county flood control work.

**MADERA, Madera Co., Cal.**—T County Engineer has been instructed to prepare estimates of cost for wooden bridge and a concrete bridge over the Fresno River at Henal crossing.

**UKIAH, Mendocino Co., Cal.**—The County Supervisors have asked the State Highway Commission to take charge of the work of designing and building four bridges needed on the convict-constructed highway between Arnold and Cummings.

**REDWOOD CITY, San Mateo Co., Cal.**—County Engineer Kneese has been instructed to prepare plans and specifications for deepening the tunnel in connection with work planned at the mouth of Pescadero Creek.

**REDWOOD CITY, San Mateo Co., Cal.**—Bids will be received by County Clerk Elizabeth M. Nash, up to November 3rd, 10 A. M., for the construction of a fill and retaining wall near Christen's Ranch, in the 1st Road District.

Separate bids will be opened on the same date for the construction of reinforced concrete culvert near the Chinese cemetery in the First Road District.

Plans may be had from the County Clerk at Redwood City.

## IRRIGATION WORK

**CHICO, Butte Co., Cal.**—The proposed irrigation district which will embrace more than 180,000 acres of land along Butte Creek in Butte, Colusa, Sutter and Glenn Counties, is meeting with much success. Headquarters of the District have been opened in Chico and immediate formation is assured.

The system will cost about \$85,000 according to present estimates, and plans call for an enlargement of the channel of Butte Creek to drain the vast acreage of land irrigated for rice and other crops and settle for all time the drainage problem which has been in litigation five or six years.

## LIGHTING SYSTEMS

**SAN BERNARDINO, Cal.**—City Engineer W. L. Brown has been instructed by the City Council to prepare plans and specifications for an ornamental lighting system on Third St. Marbelite posts will be used, about 12 being placed in each block.

**YUBA CITY, Sutter Co., Cal.**—The Supervisors have sold \$80,000 worth of county highway bonds out of the recently voted \$810,000 issue.

**OAKLAND, Alameda Co., Cal.**—Bids will be received by Lloyd D. Barzee, Secretary of the Oakland High School District, Room 1101, City Hall, up to October 20th, 4:30 P. M., for furnishing incandescent lamps.

## MACHINERY

SACRAMENTO, Cal.—October 16th, 11 A. M. is the date set by City Clerk M. J. Desmond for receiving bids for furnishing and delivering to the City of Sacramento a street planer and scarifier, weight of machine to be not less than 6,000 lbs., wheel base to be not less than 17 feet, rear wheels to be not less than 46 inches diameter, 4 inch steel tire with 22 spokes. Front wheels to be not less than 32 inches in diameter, 3½ inch steel tire with 14 spokes, all equipped with long wrought steel hubs. Frame to be not less than 6 inch heavy I Beam. Planer attachment to have not less than 30 high grade steel teeth. Blade to be not less than 7 feet in length, and to be made of high carbon steel, for both Mouldboard and Cutting Bit.

SAN FRANCISCO.—The Board of Public Works has accepted the offer of the Aills Chalmers Mfg. Co. for furnishing and delivering for use on the Hetch Hetchy project on No. 6 Style "K" Gates Gyratory Crusher at \$4,565.

MODESTO, Stanislaus Co., Cal.—The County Surveyor has been authorized by the County Supervisors to purchase a concrete mixer at a cost of \$1,000. H. Benson is County Clerk.

COLUSA, Colusa Co., Cal.—The City Trustees have appointed Trustee G. W. Moore to purchase additional casings to be used in connection with the municipal well which is now being bored.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to the Ransome-Randle Co., 28th and Poplar streets, for the improvement of 8th street from the west line of Clay to the east line of Market street, by grading, constructing concrete curbs and brick gutters, resetting granite curbs, installing catchbasins, pipe conduit and the laying of an asphalt pavement.

The improvement of Brompton Avenue between Bosworth Street and Joost Avenue, by the construction of a vitrified brick pavement and an asphalt pavement.

Awarded to Ralsch Improvement Co., 46 Kearny St. Contract price, \$3734.11.

SAN JOSE, Santa Clara Co., Cal.—The Supervisors have rejected bids submitted for the improvement of Bascom avenue in Supervisor District No. 4, and the work has been ordered done under the supervision of the County Engineer. The bids were:

Bos & O'Brien.....\$11,837  
John F. Adams.....11,000  
C. H. Ellison.....11,250  
Surveyor's Estimate, \$10,285.

Henry Pfister is Souty Clerk.

SACRAMENTO, Cal.—The following bids were received October 6th by the

State Highway Commission for highway improvement in two counties:

Humboldt County, between Beatrice and Eureka (I-IIum-I-G), about 7.4 miles in length to be paved with Portland cement concrete.

Merced-Fraser Co., Eureka, \$149,556.10

Engineer's Estimate, \$94,754.30.

Siskiyou County, between Weed and Southerly Boundary (II-Sis-3-A), about 18.2 miles in length to be paved with Portland cement concrete.

P. Rolandi, 550 Montgomery St.

San Francisco.....\$207,820

Engineer's Estimate, \$116,705.

NAPA, Napa Co., Cal.—The Supervisors, James A. Daly, County Clerk, has adopted plans and specifications for additional work on the concrete crossing of Putah Creek, near the Berryessa Cattle Company House, and have awarded a contract to Frank Gaggero of Napa to do the work.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees, C. E. Daley, City Clerk, have passed resolution of intention No. 112B providing for the improvement of Ferry, Mill, Mason, Estudillo, Smith, Castro, Howard, Escobar, Main, Green, Thompson, Mellus, Henrietta, Susanan and Jones streets, and the intersections thereof by grading, curbing, paving, sewerage, draining, culverts, including the construction of culverts.

Further information regarding this work may be had from City Clerk Daley.

STOCKTON, San Joaquin Co., Cal.—The City Council has rescinded its action in providing for the improvement of South street and a new resolution providing for the improvement of that thoroughfare from East to Pilgrim street will probably be drawn.

EUREKA, Humboldt Co., Cal.—The City Council has accepted the bid of the Worswick Paving Co., of Fresno, at 16 cents per square foot for the construction of 400 feet of pavement 9 feet wide in Highway avenue fronting city property. The only other bidder was Elsemore & Jacobs at 17¼ cents per foot.

SAN FRANCISCO.—Bids will be called for within the next few days by the Board of Public Works for the construction of a reinforced concrete sewer in the Presidio Reservation from Locust street northeasterly.

MERCED, Merced Co., Cal.—Bids will be received by J. D. Wood, City Clerk, up to October 20th, 8 P. M., for the improvement of the alley in Block 187, by grading; constructing concrete curbs and paving with a 4-inch hydraulic cement concrete base. Bids will be opened on the same date for the improvement of the alleys in Blocks 143 and 165 by grading; construction of concrete curbs and paving with a 4-inch hydraulic cement concrete base.

Plans may be had from the City Clerk at Merced.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have awarded contracts for street improvements to the McGillivray Con-

struction Co., Capital National Bank Bldg., Sacramento, as follows:

Improvement of X street from the east line of Tenth to the east line of Twentieth, excepting certain intersections, by construction of concrete curbs and gutters; concrete sidewalks 4 concrete manholes with cast iron curbs and covers; placing 13 cast iron gutter drains and connecting same to sewer with 6 inch vitrified ironstone sewer pipe; constructing 8-inch vitrified ironstone sewer; grading; constructing concrete foundation, 4 inches thick with a bitulithic wearing surface 1½ inches thick.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to Bates & Bordan, Oakland Bank of Savings Bldg., Oakland, for the improvement of Octavia street from the southwest line of Penniman avenue to the northeast line of Allendale avenue by grading, constructing concrete gutters, redwood curbs and paving with an oil macadam pavement and the construction of cement concrete sidewalks, 6 feet wide, on the following bid:

Per cubic yard of earth excavation, \$1.00.

Per linear foot of redwood curb, 21c.

Per square foot of concrete gutter, 25c.

Per square foot of oil-macadam pavement, .135.

Per square foot of cement sidewalk, 17c.

MODESTO, Stanislaus Co., Cal.—The City Council has passed resolution of intention No. 496 N. S. providing for the improvement of Modesto avenue from the east line of McHenry avenue to the west line of Judson street by grading, constructing a 4-inch Portland cement concrete base with a 1½ bitulithic wearing surface, cement concrete curbs and gutters. W. O. Thomson is City Clerk.

MODESTO, Stanislaus Co., Cal.—Bids will be received up to October 22nd, 7:30 P. M., by Kathleen G. Prewett, Clerk of the Modesto High School District for the construction of concrete sidewalks at the Modesto High School.

SACRAMENTO, Cal.—The City Commissioners have passed resolution of intention No. 1470 providing for the improvement of the alley between 38th and 39th streets from P street to a point 670 feet southerly, by constructing 8 inch vitrified ironstone pipe sewer with 26 6-inch wye branches and one 6-inch vitrified ironstone flusher branch, constructing one concrete manhole with cast iron curb and cover and backfilling the trench. M. J. Desmond is City Clerk.

REDWOOD CITY, San Mateo Co., Cal.—Blanchard, Crocker & Howell, 58 Second Street, San Francisco, submitted the only bid at \$9265.55 for improving Webster street from Main to Washington by macadamizing and constructing cement sidewalks. The bid was taken under advisement.

MARTINEZ, Contra Costa Co., Cal.—O'Brien Bros. of Martinez have been awarded a contract by the County Su-

supervisors for the construction of 4,000 feet of highway on Willis avenue in Pittsburgh at \$4,250. Other bidders were  
 Bress & Bergund, \$5,400  
 A. J. Grier, \$5,790  
 G. W. Cushing, \$5,450

LOS ANGELES, Cal.—Los Angeles Paving Co., 2908 Santa Fe avenue, was awarded the contract at \$30,531.78 for grading and paving Broadway between Tenth and Pico streets, involving 37,050 sq. ft. grading, 37,050 sq. ft. bitulithio paving, 6240 sq. ft. asphalt paving, including grading, 2150 lin. ft. cement curb, 30,385 sq. ft. cement sidewalk, 1833 sq. ft. concrete gutter and 187 sq. ft. granite block gutter. Other bids were: Bryant & Austin, Inc., \$30,720.02; Fairchild-Gilmore-Wilton Co., \$30,941.73.

SACRAMENTO, Cal.—Bids will be received by the County Supervisors up to October 24th, 2 P. M., for the construction of 5½ miles of highway between Ileton and the Rio Vista bridge

SANTA CRUZ, Santa Cruz Co., Cal.—Bids will be received by the County Supervisors up to October 22nd, for the completion of the Santa Cruz-Soquel road. The work will cover about 2½ miles.

Plans may be had from the County Clerk at Santa Cruz.

LOS ANGELES, Cal.—The following bids were received by the Board of Public Works for grading and paving with 5 inches of concrete about 2600 lineal feet of Coast Blvd., near El Segundo:

Wm. Liddington—12,312 lump sum grading; 20c sq. ft. concrete paving.  
 W. D. McCray—\$14,700 lump sum grading; 23½c sq. ft. paving.  
 Chas. T. Salata—\$17,000 lump sum grading; 26c sq. ft. paving.

LOS ANGELES, Cal.—A plan for dividing the cost of constructing the harbor truck highway has been suggested by the Board of Supervisors as a result of a conference with city officials. The completion of the road will cost \$628,450, divided as follows: In Vernon, \$42,000; in Compton, \$56,000; in Wilmington, \$71,500; between Vernon and Compton, \$149,000; between Compton and Wilmington, \$309,000. It was recommended that Los Angeles pay for the road in Wilmington, the county to take up with Vernon and Compton the amount of county aid they will need. Two road improvement districts will be formed in the intervening territory.

SANTA ANA, Orange Co., Cal.—A proposition to form a road improvement district in the Third Supervisorial District, Orange County, to construct 40 to 50 miles of paved road is being considered, and Supervisor Wm. Schumacher has discussed the matter with the Board of Supervisors. A bond issue of at least \$750,000 would be required for 50 miles of road, according to estimates.

MODESTO, Stanislaus Co., Cal.—The City Council has awarded a contract to the Standard Paving Co. for the paving of intersections of Downey avenue on its bid of 18½ cents per square foot.

J. H. Richards was awarded the contract for the construction of concrete sidewalk in Sixth street at 17 cents per square foot.

SAN RAFAEL, Marin Co., Cal.—Consideration is being given by the County Supervisors of the formation of a road district to secure \$150,000 under a bond issue, with which to finance the widening and improvement of the Manzanita, Willow Camp and Bolinas Coast roads. Rob E. Graham is County Clerk.

## RAILROADS

SAN FRANCISCO.—The Board of Public Works has awarded a contract to the U. S. Steel Products Co., Rialto Bldg., San Francisco, for furnishing and delivering the plates for use on the Hetch Hetchy project. A request has been made of the Supervisors to appropriate \$4,625.50 to cover the cost of the contract.

## FIRE EQUIPMENT.

BENICIA, Solano Co., Cal.—The City Trustees have awarded a contract to the Republic Rubber Co. of Calif., 185 Second St., San Francisco, for furnishing and delivering 600 feet of 2½ inch Tower Brand Hose at \$1.15 per foot.

Other bidders were:  
 C. C. Fire Hose Co., Canton Junction, Mass., \$1.20 per foot.  
 Br-Lateral Fire Hose Co., Chicago, Ill., \$1.40 per foot.  
 United States Rubber Co., San Francisco, \$1.25 per foot.  
 American Rubber Mfg. Co. of California, \$1.20 and \$1.10 per foot.

LIVERMORE, Alameda Co., Cal.—Bids will be received by Elmer G. Still, Town Clerk, up to 8 P. M., Oct. 20th, for furnishing a motor propelled combination pumping engine and hose car.

It is the intention of the Board to pay for said combination fire engine and hose car as follows:

1. Cash on delivery and acceptance.
2. In monthly, quarterly, semi-annual or annual installments. Each bidder shall state the amount of first payment and the amount and time of each installment thereafter, which will be acceptable to him.

## SAN LUIS OBISPO COUNTY DEFEATS ROAD BONDS.

The proposed issue of \$1,250,000 bonds for construction of highways in San Luis Obispo County was defeated by 67 votes, the proposition lacking that many of a two-thirds majority out of a total of 4234 votes cast. This is the first set-back for any important good roads project in California since the war. Every other county that has passed upon a highway bond issue has approved it by an emphatic majority, ranging from 6 to 1 to 40 to 1. At the same time San Luis Obispo County defeated the good roads project it turned down a proposition to build a new court house, voting 2326 against to 1609 for the issue of bonds to purchase a site.

What's the matter with San Luis Obispo County? It can get along without a new court house, if county pride

is not involved in the issue; but judging by reports good roads are a crying need in that county. Improved highways are absolutely necessary in these days to development of agricultural and urban communities. Building a good road is not putting on finery; it is an investment that will return many dollars for every one put into it besides interest on the money. No explanation is at hand for the opposition to good roads in San Luis Obispo County. Whether factional strife, sectional jealousy, an unprogressive spirit or lack of appreciation of the value of good roads are responsible for the defeat of the highway bonds, it is nothing to the glory of the county that they failed to carry.—Southwest Builder & Contractor.

## ARMENIAN WOMEN BUILD 100 MILES OF ROAD.

MARASH, Mesopotamia—Five hundred Armenian women employed by the American Red Cross have built 100 miles of stone roads and reconstructed several steel bridges in this section within the last four months. The roads were rebuilt in order to facilitate transportation of Red Cross supplies. There were no male laborers to be employed so Captain Edward Eickel of Seattle, who had charge of the engineering work, engaged the women, who were glad to have employment of any kind.

## NEW FIRM OF CIVIL ENGINEERS.

B. D. Painter and A. C. Miller have formed a partnership under the title of Painter & Miller, for engineering practice in land development, irrigation, reclamation, drainage, surveys, maps, estimates, examinations, reports, etc., with offices in the Northern California Bank of Savings Bldg., Marysville, Cal.

They are both certified members of the A. A. E. and are 100% for the organization, and would be glad to have members call on them.

## BLAW-KNOX COMPANY EXPANDS.

On account of the large increase in the volume of business, the Blaw-Knox Company have enlarged their quarters at the Monadnock Building, San Francisco, now occupying Rooms 750-752 and 754, where they are better able to handle this increase of business. They are now carrying a large stock of steel forms for round columns, walls, etc., and a big stock of Clam Shell Buckets to meet the requirements of the trade.

## COUNTY PURCHASING AGENT NAMED.

SUSANVILLE, Lassen Co., Cal.—W. H. Emerson has been appointed by the County Supervisors to take the place of County Purchasing Agent C. W. Halliwell who resigned.

## AVIATION ARITHMETIC.

25 cents .....	one gallon
35 cents .....	one night
25 flights .....	one funeral

One learns from an ad in a Salt Lake paper that "After taking four bottles of Tanlac, woman raises 600 chickens."

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Am't.
2158	Pinckard	Simmen	525
2159	Osborn	Monson	15000
2160	Komsthoef	Hurley	4700
2161	Same	Crothers	2950
2162	Schneider	Owner	2500
2163	Schleicher	Cameron	1000
2164	Warner	Emanuel	400
2165	Schorcht	Chase	500
2166	United Cigar	Martin	875
2167	Home Laundry	Chase	450
2168	Cleland	Owner	500
2169	Rednall	Rednall	400
2170	Kamp	Kamp	400
2171	MacKillop	Owner	8000
2172	Heyman	Heyman	16000
2173	Reid	Reid	400
2174	White	Kronnick	400
2175	Haas	MacDonald	65000
2176	Bothin	Bothin	1000
2177	Zewissig	McDonough	3000
2178	Cal. Crdt. Clothg	Johnson	500
2179	China Toggery	Owner	1750
2180	Bienfield	Barrett	30000
2181	Pratt	Pratt	3000
2182	Jewell	Barrett	1900
2183	Real Ppty Inv	Swenson	1400
2184	Dahlia	Dahlia	400
2185	Walton	Walton	400
2186	Winant	Legrand	400
2187	Mallon	Mitchell	1122
2188	Mkt St. Rity	Decker	2544
2189	Doyle	Houle	475
2190	Balfour	Otis	75875
2191	Bank of Ita'y	Duncanson	—
2192	Same	G. G. Iron	—
2193	Anderson	Anderson	1800
2194	Lombardi	Billier	5000
2195	Urban	Duncan	9000
2196	Moreader	Sharman	2500
2197	Providence Sec.	Stevens	3000
2198	Horan	Hansen	960
2199	Eisenbach	Eisenbach	500
2200	Baummann	Anderson	450
2201	Brown	Brown	400
2202	Balfour	Amer. Mbl	68500
2203	S. F. Co	Boese	430
2204	Same	Same	1435
2205	Benfield	Rex	75
2206	Same	Snook	1053
2207	Same	Cohn	670
2208	Same	Barrett	31000
2209	Backman	Owner	2500
2210	Ellery	Ellery	2000
2211	Gibbons	Gibbons	700
2212	Kaplan	Kaplan	400
2213	Ben Zion	Ben Zion	400
2214	Casson	Hoffman	400
2216	Lacoste	S F Elevator	1810

(2158) NO. 345 MONTGOMERY. Erect mezzanine floor.  
Owner—Pinckard & Shaughnessy, 345 Montgomery, San Francisco.  
Architect—John Simmen.  
Contractor—John Simmen, 64 Klausch, San Francisco.

COST, \$525

(2159) S HAYES bet. Polk and Van Ness Ave. Three one-story concrete auto repair buildings.  
Owner—E. T. Osborn, Clunie Bldg., San Francisco.  
Architect—D. C. Coleman, 20 Montgomery, San Francisco.

Contractor—Monson Bros., 180 Jessie, San Francisco.

COST, \$5000 each

(2160) N FELL, 82-6 W Gough 27-6x 120. Grading, concrete, reinforcing

forms, etc., for one-story Class "C" reinforced concrete bakery building.  
Owner—A. Komsthoef, 527 Castro St., San Francisco.

Architect—Walter C. Falch, Hearst Bldg., San Francisco.  
Contractor—P. Hurley, 578 Elizabeth St., San Francisco.

Filed Oct. 6, '19. Dated Oct. 1, '19. Forms & reinforcing in place, \$1175  
Concrete poured ..... 1175  
Completed and accepted ..... 1175  
Usual 35 days ..... 1175

TOTAL COST, \$4700

Bond, \$2350. Surety, J. H. McCallum. Limit, 30 days. Forfeit, \$5. Plans and specifications filed.

(2161) ALL WORK EXCEPT GRADING, concrete reinforcing, plumbing, painting and finish hardware on above.

Contractor—F. Crothers, 1426 10th Ave., San Francisco.

Filed Oct. 6, '19. Dated Oct. 1, '19.

Roof on ..... \$737  
Plastering done ..... 737  
Completed and accepted ..... 738  
Usual 35 days ..... 738

TOTAL COST, \$2950

Bond, \$1475. Sureties, J. H. McCallum and E. O. Benner. Limit, 30 days. Forfeit, \$5. Plans and specifications filed.

(2162) W FOLSOM 76 S 16th. One-story machine shop.

Owner—A. Schneider, 2803 16th, S. F. Architect—None.

Day's work. COST, \$2500

(2163) NO. 860 GEARY. Additions for servants' room.

Owner—A. F. Schleicher, Premises. Architect—None.

Contractor—Cameron & Disston, Hearst Bldg., San Francisco.

COST, \$1000

(2164) NO. 182 GEARY. Extend mezzanine floor.

Owner—Warner Bros., 28 Geary St., San Francisco.

Architect—None.  
Contractor—L. & E. Emanuel, Inc., 1530 Fillbert, San Francisco.

COST, \$400

(2165) S PARNASSUS AVE 100 E Stanyan. Concrete wall.

Owner—Valessa Schorch, 1541 Delmar San Francisco.

Architect—None.  
Contractor—S. A. Chase, 80 Douglas, San Francisco.

COST, \$500

(2166) SW MARKET AND SIXTH. Alter for cigar store.

Owner—United Cigar Stores Co., 555 Howard, San Francisco.

Architect—C. E. Jones, 555 Howard San Francisco.

Contractor—W. Martin, 110 Jessie St., San Francisco.

COST, \$875

(2167) NV HOFF AVE & SEVENTEENTH. Cement floor.

Owner—Home Laundry Co., Premises. Architect—None.

Contractor—S. A. Chase, 80 Douglas, San Francisco.

COST, \$450

(2168) NO. 230 TWENTY-SEVENTH AVE. Raise dwelling for private garage.

Owner—F. Cleland, Premises. Architect—None.

Day's work. COST, \$500

(2169) NO. 2775 UNION. Minor alterations for dwelling.

Owner—W. W. Rednall, 2600 Filbert, San Francisco.

Architect—None.  
Day's work. COST, \$400

2170) NO. 1035 FELL. Alter for private garage.

Lessee—C. J. Kamp, Premises. Architect—None.

Day's work. COST, \$400

(2171) W FORTIETH AVE 50 AND 75 N Balboa. Two one-story and basement frame dwellings.

Owner—Alex W. MacKillop, 463 8th Ave., San Francisco.

Architect—None.  
Day's work. COST, \$4000 each

(2172) W TWENTY-SIXTH AVE 100, 125, 150 and 175 N Fulton. Four one-story and basement frame dwlgw

Owner—Oscar Heyman & Bro., 742 Market, San Francisco.

Architect—None.  
Day's work. COST, \$4000 each

(2173) NO. 167-A CASTRO. Install French doors for flats.

Owner—J. Mrs. V. Reid, Premises. Architect—None.

Day's work. COST, \$400

(2174) NO. 1804 GEARY. Alter for store.

Owner—Walter H. White, Flatiron Bldg., San Francisco.

Architect—None.  
Contractor—Kronnick Bros., 1659 O'Farrell, San Francisco.

COST, \$400

(2175) NW JACKSON AND VAN NESS AVE. Two-story reinforced concrete auto sales rooms.

Owner—A. Haas, Sacramento & Davis, San Francisco.

Designer—Macdonald & Kahn.  
Contractor—Macdonald & Kahn, Rialto Bldg., San Francisco.

COST, \$65,000

(2176) SE JACKSON & SANSOMER. One-story brick shop and garage.

Owner—Bothin Real Estate Co., 604 Mission, San Francisco.  
 Architect—J. A. Ettler, 604 Mission, San Francisco.  
 Day's work. COST, \$10,000

**FRAME DWELLING**  
 (2177) W FLORIDA 102-6 S Army. Two-story and basement frame dwelling.  
 Owner—P. A. Zewissig, Architect—None.  
 Contractor—McDonough & Costello, 90 St. Mary's Ave., and 93 College Ave San Francisco.  
 COST, \$3000

**ALTERATIONS**  
 (2178) NO. 39 STOCKTON. Alter front and remove partitions.  
 Owner—California Credit Clothing Co., Care Architect.  
 Architect—Bernard J. Joseph, 74 New Montgomery, San Francisco.  
 Contractor—J. Harold Johnson, 180 Jessie, San Francisco.  
 COST, \$4500

**ALTERATIONS**  
 (2179) NO. 929 MARKET. Alter front, new entrance, etc.  
 Owner—China Toggery (Joe Shooing Co.), Care Architect.  
 Architect—Bernard J. Joseph, 74 New Montgomery, San Francisco.  
 Day's work. COST, \$1750

**SALES ROOM**  
 (2180) N POST 54 W Franklin. One-story Class "B" sales room.  
 Owner—A. M. Bienfield, Care Architect  
 Architect—Sylvain Schnaitacher, 233 Post, San Francisco.  
 Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.  
 COST, \$30,000

**FRAME DWELLING**  
 (2181) W THIRTY-SIXTH AVE 175 N Cabrillo. Two-story and basement frame dwelling.  
 Owner—J. J. Pratt, 6737 Geary, S. F. Architect—None.  
 Day's work. COST, \$3000

**ADDITION**  
 (2182) SW HAMPSHIRE AND 26th. Addition of 30x30 for offices and store room.  
 Owner—Jewell Steel & Malleable Co., Premises.  
 Engineer—Eng. Dept. of Owner  
 Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.  
 COST, \$1900

**ALTERATIONS**  
 (2183) NOS. 151-53-55 SUTTER ST. Erect lath and plaster partitions and other alterations for stores.  
 Owner—Real Property Investment Co., 1st National Bank Bldg., S. F. Architect—None.  
 Contractor—Swenson & Franzen, 145 Natoma, San Francisco.  
 COST, \$1400

**ALTERATIONS**  
 (2184) NO. 830 MOULTRIE. Raise and move dwelling.  
 Owner—John Dahla, Premises.  
 Architect—None.  
 Day's work. COST, \$400

**ALTERATIONS**  
 (2185) S TWENTY-SIXTH 75 W Sanchez. Alter flats; basement garage, etc.

Owner—C. Walton, 3583 26th, S. F. Architect—None.  
 Day's work. COST, \$400

**ADDITION**  
 (2186) NO. 310 CAMBRIDGE. Add 2 rooms to dwelling and alter for basement garage.  
 Owner—Leon Winant, Premises.  
 Architect—None.  
 Contractor—A. Legrand, 3140 25th, San Francisco.  
 COST, \$1600

(2187) NE TWENTY-FOURTH AND York E 50xN 104. All work for alterations to building.  
 Owner—Theresa C. Mallon.  
 Architect—None.  
 Contractor—Thos. F. Mitchell, 1340 Utah, San Francisco.  
 Filed Oct. 9, '19. Dated Oct. 9, '19.  
 Completed ..... \$1122  
 TOTAL COST, \$1122  
 Bond, none. Limit, 30 days. Forfeit, plans and specifications, none.

**ALTERATIONS**  
 (2188) S MARKET bet. Third and Fourth Streets. All work for alterations and extensions to electrical system of Portola Theatre.  
 Owner—Market Street Realty Co., 15 4th St., San Francisco.  
 Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.  
 Contractor—Decker Elec. Constr. Co., 149 New Montgomery St., S. F.  
 Filed Oct. 9, '19. Dated Oct. 8, '19.  
 On completion ..... ¾  
 Usual 35 days ..... ¼  
 TOTAL COST, \$2544  
 Bond, none. Limit, Nov. 8, 1919. Forfeit, plans and specifications, none.

**RESIDENCE**  
 (2189) W EIGHTH AVE 175 S Moraga S 25xW 120. All work for two-story and basement frame residence.  
 Owner—A. Doyle, 1735 8th Ave., San Francisco.  
 Architect—None.  
 Contractor—D. Houle, 660 Market, San Francisco.  
 Filed Oct. 9, '19. Dated Sept. 5, '19.  
 Frame up ..... \$1175  
 Brown coated ..... 1175  
 Completed ..... 1175  
 Usual 35 days ..... 1250  
 TOTAL COST, \$4775  
 Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

**ELEVATOR WORK**  
 (2190) SE SANSONE AND CALIFORNIA S 89x E 129-93. Elevator work for 12-story and basement Class "A" office building.  
 Owner—The Balfour Guthrie Investment Co., by P. J. Walker Co., Monadnock Bldg., S. F.  
 Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.  
 Contractor—Otis Elevator Co., Beach and Stockton, San Francisco.  
 Filed Oct. 9, '19. Dated Aug. 7, '19.  
 Engines delivered at bldg. .... 50%  
 Elevators set in position ..... 12½%  
 Completed and accepted ..... 12½%  
 Usual 35 days ..... 25%  
 TOTAL COST, \$75,875  
 Bond, \$37,938. Surety, The Fidelity & Casualty Co. Limit, as required. Forfeit, none. Plans and specifications filed.

**FOUNDATION, ETC.**  
 (2191) NW EDDY AND POWELL Foundation, etc., for six-story Class "A" bank and office building.  
 Owner—Bank of Italy, Market and Mason, San Francisco.  
 Architect—Bliss & Faville, Balboa Bldg., San Francisco.  
 Contractor—Duncanson-Harrelson Co., Chronicle Bldg., San Francisco.  
 COST, \$125,000 Approximately for steel and foundation.  
 (2192) STEEL, ETC., ON ABOVE. Contractor—Golden Gate Iron Works.  
 COST, \$—  
**DWELLING**  
 (2193) E BERTITA 460 N Mohawk. One-story and basement frame dwlg.  
 Owner—K. Anderson, 204 Lee Ave., San Francisco.  
 Architect—None.  
 Day's work. COST, \$1800  
**ADDITION, ETC.**  
 (2194) SW BATTERY AND GREEN. Flooring, elevator shaft and addition for warehouse.  
 Owner—Clocca Lombardi Wine Co., Premises.  
 Architect—John H. Powers, 460 Montgomery, San Francisco.  
 Contractor—John Biller, 460 Montgomery, San Francisco.  
 COST, \$5000  
**DWELLING**  
 (2195) E VICTORIA 110 S Ocean Ave. Two-story & basement frame dwlg.  
 Owner—Urban Realty Im. Co., 85 Cerritos Ave., San Francisco.  
 Architect—C. E. Gottschalk, 958 Phelan Bldg., San Francisco.  
 Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.  
 COST, \$9000  
**DWELLING**  
 (2196) S REVERE 50 W Lane. One-story and basement frame dwelling.  
 Owner—P. and E. Moreader, 1515 Newcombe Ave., San Francisco.  
 Architect—None.  
 Contractor—T. L. Sharman, 1440 Shafter Ave., San Francisco.  
 COST, \$2500  
**ALTERATIONS**  
 (2197) NO. 355 SUTTER. Alter for store; electric work, painting, etc.  
 Owner—Providence Security Co., Crocker Bldg., San Francisco.  
 Architect—None.  
 Contractor—W. J. Stevens, 110 Jessie, San Francisco.  
 COST, \$3000  
**ALTERATIONS**  
 (2198) NO. 1679 HAIGHT. Remove wall and alter for store in flats.  
 Owner—C. Horan, 401 Phelan Bldg., San Francisco.  
 Architect—J. F. Dunn, 401 Phelan Bldg San Francisco.  
 Contractor—F. L. Hansen, Inc., 2000 Polk, San Francisco.  
 COST, \$960  
**ALTERATIONS**  
 (2199) SE HYDE AND VERNON. Plaster exterior of apartments.  
 Owner—J. Eisenbach, 544 Market St., San Francisco.  
 Architect—None.  
 Day's work. COST, \$500



## ALTERATIONS

(2200) NO. 200 SOMERSET. Raise and alter; concrete foundation, etc. Owner—Mrs. M. Baumann, Premises. Architect—None. Contractor—E. Anderson, Mt. View. COST, \$450

## ALTERATIONS

(2201) NO. 44 NEY. Change steps, buttresses, etc. Owner—Chas. Brown, Premises. Architect—None. Day's work. COST, \$400

## OFFICE BLDG

(2202) SE SANSOME AND CALIFORNIA S 89xE 129-95. Exterior marble for 1st, 2nd and 3rd story street fronts, etc., for 12-story Class "A" office building. Owner—Thos. Balfour-Guthrie Invst. Co., by P. J. Walker Co., Agent, Monadnock Bldg., S. F. Architect—Geo. W. Kelham, Sharon Bldg., San Francisco. Contractor—American Marble & Mosaic Co., 25 Columbus Square, S. F. Filed Oct. 10, '19. Dated Aug. 14, '19. Monthly payments of..... 75% Usual 35 days..... 25%

TOTAL COST, \$68,500 Bond, \$34,250. Surety, United States Fidelity & Guaranty Co. Limit, as required. Forfeit, none. Plans and specifications filed.

## ALTERATIONS

(2203) NO. 65 MARKET. All work for altering walls to mail room and to carpenter shop and changing beam at unloading platform at office building. Owner—Southern Pacific Co., Premises Architect—None. Contractor—Frederick D. Boese, Call Bldg., San Francisco. Filed Oct. 10, '19. Dated Sept. 24, '19. Monthly payments of..... 75% Usual 35 days..... 25% TOTAL COST, \$1630 Bond, \$815. Surety, Globe Indemnity Co. Limit, 35 days. Forfeit, none. Plans and specifications filed.

## ALTERATIONS

(2204) NO. 65 MARKET. All work for removing and building partitions in 1st story portion of building. Owner—Southern Pacific Co., Premises Architect—None. Contractor—Frederick D. Boese, Call Bldg., San Francisco. Filed Oct. 10, '19. Dated Oct. 9, '19. Monthly payments of..... 75% Usual 35 days..... 25% TOTAL COST, \$1435 Bond, \$717. Surety, Globe Indemnity Co. Limit, 35 days. Forfeit, none. Plans and specifications filed.

## ELECTRIC WIRING

(2205) N POST 54 W Franklin W 83-6 Ave. 75 N. Anza. N 25xW 83-6. N 137-6. All work for electric wiring for one-story Class "B" concrete building (salesrooms). Owner—A. M. Benfield, Kialto Bldg., San Francisco. Architect—Sylvain Schnaittacher, 233 Post, San Francisco. Contractor—Rex Elec. & Eng. Co., 253 Minna, San Francisco. Filed Oct. 10, '19. Dated Sept. 22, '19. On 3rd of each month..... 75% Usual 35 days..... 25%

## TOTAL COST, \$709

Bond, \$351. Surety, National Surety Co. Limit, without delay. Forfeit, \$20. Plans and specifications filed.

NOTE—1st report Oct. 10, No. 2130.

## PLUMBING

(2206) PLUMBING ON ABOVE. Contractor—Frederick W. Snook, 243 Minna, San Francisco. Filed Oct. 10, '19. Dated Sept. 22, '19. Payments same as above.

## TOTAL COST, \$1089

Bond, \$544.50. Sureties, Wm. J. W. Forster and K. G. Hadeler. Forfeit, \$20. Limit, 85 days. Plans and specifications filed.

## PAINTING

(2207) PAINTING ON ABOVE. Contractor—M. Cohn & Co., 268 Market San Francisco. Filed Oct. 10, '19. Dated Sept. 22, '19. Payments same as above.

## TOTAL COST, \$670

Bond, \$335. Sureties, Berry Boas and Charles Boas. Forfeit, \$20. Limit, without delay. Plans and specifications filed.

(2208) CARPENTER, MILL, EXCAVATION, glass, glazing, lath and plaster, marble, mason, sheet metal and steel sash work on above. Contractor—Barrett & Hilp, Sharon Bldg., San Francisco. Filed Oct. 10, '19. Dated Sept. 22, '19. Payments same as above.

## TOTAL COST, \$31,100

Bond, \$15,550. Sureties, Albert Lachman and J. A. Casey. Forfeit, \$20. Limit, \$75 days. Plans and specifications filed.

## DWELLING

(2209) E HAMBURG 100 N Hearst. One-story and basement frame dwelling. Owner—J. W. Backman, 4565-A 18th, San Francisco. Architect—None. Day's work. COST, \$2500

## ALTERATIONS

(2210) NO. 2761 SCOTT. Alter for basement garage and build pantry and bath. Owner—Wm. Ellery, 583 Market, S. F. Architect—None. Day's work. COST, \$2000

## ALTERATIONS

(2211) NO. 1617 FORTY-EIGHTH Ave. General alterations for cottage. Owner—Dave D. Gibbons, 110 Sutter, San Francisco. Architect—Martin A. Sheldon, 110 Sutter, San Francisco. Day's work. COST, \$700

## ALTERATIONS

(2212) NW O'FARRELL & STOCKTON Erect partitions and new entrance. Owner—B. Kaplan, 101 Stockton St., San Francisco. Architect—None. Day's work. COST, \$400

## ALTERATIONS

(2213) NO. 704 SANSOME. Alter for wash room, etc. Owner—Myron W. Benzon, 17 Beale, San Francisco. Architect—None. Day's work. COST, \$400

## ALTERATIONS

(2214) NO. 209 CHATTANOOGA. Alter for basement garage. Owner—Casson & Johnson, 3774 21th, San Francisco. Architect—None. Contractor—J. F. Hefferman, 59 Santa Marina, San Francisco. COST, \$400

## ALTERATIONS

(2216) N ELLIS 30 E Franklin 40x120 All work for alterations to elevator in five-story and basement brick and frame building. Owner—Thos. Lacoste and Marie L. Bergero, 2333 Jackson, S. F. Architect—None. Contractor—San Francisco Elevator Co., 860 Folsom, San Francisco. Filed Oct. 11, '19. Dated Oct. 11, '19. Completed and accepted..... 75% Usual 35 days..... 25%

## TOTAL COST, \$1810

Bond, none. Limit, 60 days. Forfeit none. Specifications only filed.

## LEASE.

## San Francisco County.

Oct. 6, 1919—NO. 1751 CALIFORNIA, street, apartment No. 2. M. H. Jacobs to Louis Meyer, 1 year, \$30. Oct. 6, 1919—E SECOND and Brannan NE 127-6XE 137-6. The Felton Co. to Lawrence Warehouse Co.; 15 years, \$18,000. Oct. 6, 1919—NO. 220 GRANT AVE. Phoenix Realty Co. to Joseph J. Henkel; 15 years 8 months; \$1200. Oct. 6, 1919—NO. 431 BROADWAY, S. Nunziato to Melchior Ragusie; 5 years; \$2310. Oct. 7, 1919—NO. 851 VAN NESS AVE. Gus Schultz to Artemisia Wilkins. \$300 per month. Oct. 7, 1919—NO. 2397 MISSION, S. Pulfer to Chas. Moskowitz, 4 years 7 months, \$2640. Oct. 7, 1919—NO. 582 NINTH AVE. J. S. Blanton to Emma Haase. 2 years, \$1140. Oct. 7, 1919—NO. 612 HOWARD. Geo. W. Merritt to F. W. Wolworth Co. 5 years 3 months, \$1980. Oct. 8, 1919—NW FIFTEENTH and Bryant N 75-3 W 204 S 118 E 200. F. E. Knowles to M. Friedman & Co. 10 years, \$120,000. Oct. 8, 1919—SE CALIFORNIA and Powell E 49 S 100 E 1 S 24 W 50 N 124. Stella Clovergrove to Stella M. Gruber. 5 years, \$42,120. Oct. 8, 1919—NO. 1532 HOWARD ST., bet. 11th and 12th. Michael J. Twomey to B. A. Young. 3 years, \$75 per month.

## NOTICE OF NON-RESPONSIBILITY.

## San Francisco County.

Oct. 8, 1919—LOT 2 BLK 15, Crocker Amazon Tract, Crocker Estate Co. as to improvements on leased property .....

## COMPLETION NOTICES.

## San Francisco County

Oct. 3, 1919—E FIFTEENTH AVE 276 S Balboa S 25xE 127. Emil Nelson to whom it may concern. Oct. 3, 1919—S GREENWICH 187-6 E Broderick E 25XS 137-6. Walter S. Oliver to whom it may concern. Oct. 3, 1919—LOT 10 BLK 5, Crocker Amazon Tract, SW Newton about 25 SE Ralph, Carl Nyma, to whom it may concern. Oct. 3, 1919 Oct. 2, 1919—E FIFTEENTH AVE 85 N Anza N 25xE 126. George N. Hein to whom it may concern. Sept. 29, 1919 Oct. 2, 1919—E TWENTIETH AVE 224 N Calhoun Grace Blanchard to J. Harold Johnson. Sept. 25, 1919 Oct. 2, 1919—N 16.5 FEET LOT 26 and S 17.75 feet Lot 27, S 22 feet Lot 28 and N 12.25 Lot 27 BLK 3174,

Westwood Park. Bldg. Anderson to Anderson & Johnson. Oct. 2, 1919  
 Sept. 30, 1919—N CARRILLO 25 E 26th Ave E 25xN 100. Wm Wm Warwich to whom it may concern. Sept. 12, 1919  
 Oct. 1, 1919—N FULTON 72-6 E 16th Ave E 30x75. J. Koening to whom it may concern. Sept. 25, 1919  
 Oct. 1, 1919—E PALM AVE 190 N Geary N 32-4xE 120. E Palm Ave 254-5 N Geary N 32-4xE 120. Percy D. Tyler to whom it may concern. Sept. 25, 1919  
 Sept. 30, 1919—BRYAN 100 W 4th — 200 N 150 E 200 S 150. Sharon Estate Co to Barrett & Hulp. Sept. 15, 1919  
 Sept. 29, 1919—W TWENTY-SECOND Ave 274-5 N Cabrillo N 25xW 120. George A Bertram to Thomas B. Mohler. Sept. 25, 1919  
 Sept. 29, 1919—SW POST & SHANNON S 137-6 W 104-6 N 77-6 W 20 W — 124 — Jno H Hennings to whom it may concern. Sept. 15, 1919  
 Sept. 27, 1919—W 1/2 LOT 18 BLK 26 and all Lot 19 Blk 26. Crocker Amazon Trust, Crocker Amazon Co to Clarence D Bevier and Robt A McAfee. Sept. 26, 1919  
 Oct. 8, 1919—LOTS 12, 13, 14, BLK 3177, part of lot 15 and 16 of lot 16, block 3177, Westwood Park. Hans Nelson to Nelson Bros. Sept. 15, 1919  
 Oct. 6, 1919—BUSH 100 E 12th Ave. Lloyed B. Ham to whom it may concern. Oct. 6, 1919  
 Oct. 4, 1919—LOT 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. Nels P Johnson to whom it may concern. Oct. 4, 1919  
 Oct. 4, 1919—E DOLORES 26.3 N Hillado Terrace. James Welsh to D W Ross. Oct. 4, 1919  
 Oct. 1, 1919—E LYON 100 N Jackson N 27-3/4xE 26. William Koening to whom it may concern. Oct. 1, 1919  
 Oct. 10, 1919—W TWENTY-SIXTH Ave. 75 N Anza. N 25xW 82-6. James Welsh to James Welsh & Co. Oct. 8, 1919  
 Oct. 10, 1919—W TWENTY-SIXTH Ave 100 N Anza N 25xW 82-6. James Welsh to James Welsh & Co. Oct. 8, 1919  
 Oct. 10, 1919—W TWENTY-SIXTH Ave 50 N Anza N 25xW 82-6. James Welsh to James Welsh & Co. Oct. 8, 1919  
 Oct. 10, 1919—N ANZA 137-6 W 26th Ave W 27-6xN 125. James Welsh to James Welsh & Co. Oct. 8, 1919  
 Oct. 9, 1919—W ALABAMA 290 S 25th 25x106. Frank E and Emma Kummer to Ed Zinkand & Son. Oct. 8, 1919  
 Oct. 8, 1919—W PALM AVE 257-6 N Geary N 132xW 120. Charles L and Nomic Heller to whom it may concern. Oct. 8, 1919  
 Oct. 7, 1919—E DOLORES 26-6 S 28th S 20x106. J D Ahern to F Demartini. Oct. 8, 1919  
 Oct. 7, 1919—NW ATHENS 78.80 NE Amazon Ave NE 25xNW 100. Louis Levy to Wm H Grabm & Son. Oct. 7, 1919  
 Oct. 7, 1919—W TWENTY-EIGHTH Ave 165 N Anza N 25xW 120. Ulysses S Simonds to whom it may concern. Oct. 7, 1919  
 Oct. 7, 1919—E EIGHTEENTH AVE 175 N Balboa N 25x120. Charles Corrie to J. H. Woodward. Oct. 7, 1919  
 Oct. 7, 1919—S BOSWORTH 25 W Cuvier W 25x100. Wm F Flala to Thos McCormick. Oct. 7, 1919

## LIENS FILED.

### San Francisco County.

Oct. 3, 1919—NOS. 287-289 HICKORY Ave and 286-288 Oak. John Madden vs Mrs R A McLaughlin, Mrs Mary B Hartmann and Geo G Madden. Wm J Madden, Kathern J and Jno Madden. \$264.40  
 Oct. 3, 1919—S BUSH 112-6 E Hyde E 25xS 88. Progress Bldg Co vs D J Clancy. \$105  
 Oct. 3, 1919—S BUSH 112-6 E Hyde E 25xS 88. A Norman (as F G Norman & Sons) vs D J Clancy. \$173.70  
 Oct. 1, 1919—E NAPLES 125 N Rusoia Ave 25x100. City Lumber Co vs Jas M Inlow and R L Witson. \$22.20  
 Sept. 25, 1919—SW BUSH & TRINITY W 30xS 68-9. San Francisco Lum-

ber Co vs Mary Sophia Sullivan, Moyer and Graham and J S Bogart. \$47.49  
 Sept. 24, 1919—W OCTAVIA 120 S Pine S 65 W 100 N 30 W 37-6 N 35 E 137-6. A Caldwell vs Jena A Countryman. \$180.19  
 Sept. 20, 1919—LOT 28 BLK 3163, Westwood Park. Edward L Roberts vs Gottfried Schlenker. \$60

## ARCHITECT GLASS OF PRESNO APPOINTED ON STATE BOARD OF ARCHITECTURE.

In its issue of October 3rd the Fresno Republican publishes the following article:

"Of wide interest in architectural circles, not only in Fresno, but throughout the state, comes the announcement that Edwin Glass of Glass & Butler, has been named as a member of the State Board of Architects. The appointment is one which will meet with the approval of architects of the Fresno district not only on account of Mr. Glass' personality but because it gives Fresno, now one of the busiest building centers on the Pacific Coast, representation on the State Board.

Although in point of age he is the junior of other members of the board, being only 33 years old, Mr. Glass has been connected with several of the best offices of the country before entering business here, and takes with him to membership on the state board both a broad technical training and large practical experience.

"Mr. Glass graduated from the University of Pennsylvania, department of architecture, in 1912. He supplemented his university training with practical experience in the offices of various architects in Philadelphia, beginning as draughtsman, and working on the staff of Heacock & Hokinson, and Mills & Bonkirk, having complete charge of the latter office. In 1913 Mr. Glass came back to the Pacific Coast, and entered the office of August Denke, in San Francisco, following this by connection with Smith & Stewart. The following year Smith & Stewart sent him to Fresno to take charge of important work that the firm has secured here.

"In 1914 Mr. Glass took the examination before the California examining board of architects, incidentally passing the tests with the highest mark of the year. Soon afterwards he opened offices in Fresno with Charles Butler as partner under the firm name of Glass & Butler. The partners had been classmates at the University of Pennsylvania, and had agreed that as soon as their preliminary experience had been gained they would join effort in one firm.

"Among the more important buildings which brought recognition to the new appointee of the state board and his partner was the tubercular building of the Fresno County Hospital, which is generally recognized as one of the best of its kind known. The plans as developed by the Fresno architects has been adopted as standard by the state board of health, and the publication of these plans by the state board attracted the attention of the United States department of the interior, which only recently notified Glass & Butler that it desired to adopt these plans as standard type for government tubercular institutions."

## STATEMENT OF THE SAN FRANCISCO CHAMBER OF COMMERCE IN THE MATTER OF THE PROPOSED ARBITRATION OF THE SITUATION BROUGHT ABOUT BY THE RIGGERS AND STEVEDORES STRIKE ON THE SAN FRANCISCO WATER FRONT.

The San Francisco Chamber of Commerce, through its Industrial Committee, responded to the invitation of the SPECIAL COMMITTEE appointed by the LABOR COUNCIL to endeavor to bring out in conferences with this Committee a plan of conciliation between the Riggers and Stevedores Union and the Water Front Employers Committee.

In entering the conferences the Chamber of Commerce, stated its position that it favored the principle of arbitration of such industrial disputes as relate only to questions of hours of labor, or rates of wages, or actual working conditions of the employees concerned, but that arbitration cannot be urged with any organization, or group of men who are not responsible, or who will not loyally perform their own agreements, or fairly observe the rules or regulations of their own organization.

The conferees have earnestly endeavored to arrive at a just basis of settlement, but there has been no substantial agreement due largely to the fact that the Riggers and Stevedores Union has been shown by thorough inquiry to be, as at present constituted, a body so irresponsible as to render it impossible for this Chamber to urge upon any employer further negotiations with the organization.

This conclusion was due entirely to the attitude of the Riggers and Stevedores Union in constantly introducing new subjects of controversy as soon as the matters then in dispute appeared to have been settled, and finally, by passing a strike resolution on a rising vote, a proceeding entirely at variance with their own constitution, after previously having voted not to strike by secret ballot.

The Chamber regrets, because of this showing, that its usefulness as a conciliatory body has been ended in this instance.

## A MODEST SHEET.

An Oriental paper having an English section pointed the following notice:

"The news of English we tell the latest. Writ in perfect style and most earlist. Do a murder commit, we hear of and tell it. Do a mighty chief die, we publish it and in borders somber. Staff has each one been colleged and write like the Kipling and the Dickens. We circle every town and extortionate not for advertisements."—Everybody's Magazine.

## CHINESE GET LESSON FROM U. S. ADVERTISING.

Two little Chinese boys were standing before the billboards discussing the merits of cows, as depicted by the Bull Durham and Carnation Milk advertisements. Said one of them: "In America they have two kinds of cows, you know; he cows and she cows. The she-cow gives milk and the he-cow gives tobacco."

## BUILDING CONTRACTS.

## Alameda County.

116	S F O T Ry	MacGregor	800
117	Breedlove	Breedlove	4900
118	Lons	Sheridan	2500
119	Eyde	Schussler	4500
120	Hunter	Hemstak	1650
121	Dulzaboulet	Caretto	550
122	Amer R R Ex	Butler	1827
123	Petersen	Burnett	3460
124	Broderick	Stolte	2850
125	Pfrang	Pfrang	6000
126	Hatch	Cooley	2650
127	Supple	Baughman	2500
128	Bercovich	Kulchar	2500
129	Mathews	Pratt	5000
130	Petersen	McPherson	400
131	Mason	Mason	5000
132	Smith	Smith	1000
133	Ring	Ring	400
134	Yow	Hummier	400
135	Benson	Benson	400
136	Upton	Upton	400
137	Sullivan	Kopp	7019
138	Same	Makin	1535
139	Henry	Ahnfeldt	1786
140	Schnoor	Cal Eldra	5000
141	Elst	Pearson	4000
142	Melin	Fanner	400
143	Collins	Kain	2000
144	Cavallo	Bellefontaine	3450
145	Massey	Massey	400
146	Hodge	Frazee	1015
148	Bkly Bd Ed	Dixon	2987
149	Same	Bertelsen	30950
150	Same	Howden	2158
151	Same	Rigney	6297
152	Same	Dixon	850
153	Same	Snook	4385
154	Christensen	Christensen	21864
155	Same	Kings	745
156	Same	Morton	47777
157	Same	Rigney	398
158	Same	Cahill	3100
159	Same	Snook	4085
160	Same	Makin	5893
61	Same	Nottingham	13570
62	Same	Jepsen	11105
63	Same	White	712
64	Same	Vezev	21257
85	Same	Rigney	837
86	Same	Makin	5485
87	Franks	Franks	4000
88	McCauley	Owner	4000
89	Pinnelle	Sharp	3500
70	S F & O T Ry	Owner	2500
71	Same	Same	9000
72	Russell	Miller	8400
73	Kitterman	Kitterman	4500
74	Heweston	Gresham	500
75	Clay	Clay	400
76	Hubb	Rotoff	150
77	Middlemus	Hogberg	400
78	Mulvany	Owner	400
79	Bkly Dev	Mason	3000
80	Same	Same	3000
81	Brown	Brown	1400
82	Judson	Hemstak	400
83	Norris	Norris	3000
84	Morrison	Morris	9000
85	Same	Same	600
86	Hollidge	Owner	22800
87	Hanser	Hancock	4460
88	Hollidge	Owner	1600
89	Smith	Smith	400
90	Otto	Otto	400
91	White Star Ldy	Moore	500
92	Kutchar	Owner	400
93	MacDonald	Morris	400
94	Same	Same	400
95	Nyman	Owner	1200
96	Pfrang	Pfrang	500
97	Eiter	McCullough	838
98	McLea	Hart	2900
99	Rutter	Francis	2400
100	Frederick	Larmer	3900
101	Bercraft	Owner	2500
102	Dier	Owner	1300
103	Maschburn	Schley	750
104	Pineo	Quigley	500
105	Standard Oil	Owner	500
106	Same	Same	500
207	Corgiat	Perona	495

## ITCHEN, ETC.

1116) N E-FOURTEENTH bet. 94th and 95th Aves., Oakland. One-story kitchen and dining room.

wner—S. F. O. T. Railway.  
 architect—Read & Corlett, Oakland.  
 Bank of Savings Bldg., Oakland.  
 Contractor—C. M. MacGregor, 470 13th, Oakland.

COST, \$800

FRAME DWELLING  
 (3117) COR. BLAIR AND BONITA Aves., Piedmont. Two-story frame dwelling.  
 Owner—May S. Breedlove, 175 Santa Rosa Ave., Oakland.  
 Architect—None.  
 Day's work.

COST, \$4900

DWELLING  
 (3118) HOPKINS AND NAPA, Berkeley. One-story 5-room dwelling.  
 Owner—Roy O. Long, Elks' Club, Berkeley.  
 Architect—None.  
 Contractor—H. P. Sheridan, 2815 Grove Berkeley.

COST, \$3500

DWELLING  
 (3119) NO. 859 CONTRA COSTA AVE Berkeley. One-story 6-room dwlg.  
 Owner—H. B. Eyde, 2913 Regent St., Berkeley.  
 Architect—None.  
 Contractor—H. H. Schussler, 2436 Telegraph Ave., Berkeley.

COST, \$4500

GARAGES, ETC.  
 (3120) NO. 2423 RIDGE ROAD, Berkeley. Garage and stable.  
 Owner—Robert Hunter, Premises.  
 Architect—None.  
 Contractor—C. H. Hemstak, 2204 Roosevelt, Berkeley.

COST, \$1650

ALTERATIONS  
 (3121) NO. 2228 TENTH, Berkeley. Alterations.  
 Owner—Gustine Dulzaboulet, Prem.  
 Architect—None.  
 Contractor—C. Caretto, 2221 8th, Bkly.

COST, \$550

ALTERATIONS  
 (3122) SIXTEENTH STREET DEPOT, passenger depot grounds of S. P. Co., Oakland. All work for alterations to depot building.  
 Owner—American Railway Express Co. Wells Fargo Bldg., San Francisco.  
 Architect—James H. Humphreys, Wells Fargo Bldg., San Francisco.  
 Contractor—Butler & Reilly, 180 Jesse, San Francisco.

Filed Oct. 6, '19. Dated Oct. 2, '19.  
 14th and 30th of each month. 75%  
 Usual 35 days. 25%

Bond, \$9119. Sureties, P. Quinn and D. J. Sullivan. Limit, forfeit, none. Plans and specifications filed.

DWELLING  
 (3123) W CAPELL 100 N Prospect Ave being Lot 6 Blk "H" Sheet No. 1 Map Excelsior Heights, Oakland. All work for one-story 5-room dwlg.  
 Owner—Ingemar Petersen, 1760 28th Ave., Oakland.  
 Architect—None.  
 Contractor—F. L. Burnett, 745 Aileen Oakland.

Filed Oct. 6, '19. Dated Sept. 27, '19.  
 Frame up 692  
 Enclosed 692  
 Plastered 692  
 Standing finish on 692  
 Completed 692

TOTAL COST, \$3480

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING  
 (3124) E WILSON AVE 100 S Hopkins

Oakland. One-story 5-room dwelling.  
 Owner—W. F. Broderick, 3501 13th Ave., Oakland.  
 Architect—None.  
 Contractor—F. C. Stolte, 34419 Laguna Ave., Oakland.

COST, \$2850

DWELLING  
 (3125) N AILEEN 150 and 190 W Dover, Oakland. Two one-story 5-room dwellings.  
 Owner—H. C. Pfrang, 5507 College Ave Oakland.  
 Architect—None.  
 Day's work.

COST, \$3000 each

DWELLING  
 (3126) W SEVENTY-NINTH AVE 80 N Locust, Oakland. One-story 5-room dwelling.  
 Owner—E. C. Hatch, 1467 32nd Ave., Oakland.  
 Architect—None.  
 Contractor—O. E. Cooley, 7896 E-14th, Oakland.

COST, \$2650

DWELLING  
 (3127) W EIGHTH AVE 100 S E-16th Oakland. One-story 4-room dwlg.  
 Owner—C. E. Supple, 1229 6th Ave., Oakland.  
 Architect—None.  
 Contractor—J. W. Baughman, 1627 5th Ave., Oakland.

COST, \$2500

ALTERATIONS  
 (3128) SW ELEVENTH AND CLAY, Oakland. Alterations.  
 Owner—H. & S. Bercovich.  
 Architect—None.  
 Contractor—S. Kulchar & Co., 8th Ave and E-10th, Oakland.

COST, \$2580

DWELLING  
 (3129) E MANDANA BLVD. 950 N Paloma Ave., Oakland. Two-story six-room dwelling.  
 Owner—J. E. Mathews, 2013 Franklin, Oakland.  
 Architect—None.  
 Contractor—H. S. Pratt, 4605 El Centro Ave., Oakland.

COST, \$5000

GARAGE  
 (3130) S MATHER 50 E Broadway, Oakland. One-story tile garage.  
 Owner—Geo. Peterson, 291 Mather, Oakland.  
 Architect—None.  
 Contractor—S. McPherson, 2151 Ashby Ave., Berkeley.

COST, \$400

DWELLING  
 (3131) MOUNTAIN VIEW AVE (Leona Heights), Oakland. One-story four room dwelling.  
 Owner—Robt. Mason, 5710 Noble, Okd.  
 Architect—None.  
 Day's work.

COST, \$500

ADDITION  
 (3132) NO. 647 POIRIER, Oakland. Addition.  
 Owner—S. Smith, Premises.  
 Architect—None.  
 Day's work.

COST, \$1000

## ALTERATIONS

(3133) NO. 593 TWENTY-SECOND, Oakland. Alterations and additions. Owner—C. J. Ring, Premises. Architect—None. Day's work. COST, \$400

## ALTERATIONS

(3134) NO. 378 EIGHTH, Oakland. Alterations. Owner—Yow Sang Co., Premises. Architect—None. Contractor—C. Hummner, 225 34th Ave., Oakland. COST, \$400

## ADDITION

(3135) NO. 2618 E-TWENTY-SECOND, Oakland. Addition. Owner—A. Benson, Premises. Architect—None. Day's work. COST, \$400

## ADDITION

(3136) NO. 3884 HOWE, Oakland. Addition. Owner—F. Upton, Premises. Architect—None. Day's work. COST, \$400

## DWELLINGS

(3137) NW SIXTY-FIFTH & WHITNEY, Oakland. Excavating, mill work, sash and doors, mirrors, glazing, carpenter labor, except shakes on house No. 3 and shingle walls of house No. 5, lath stripping on houses No. 3 and 5, metal corner beads, rough hardware, building paper, floors (except hardwood floors and fences) for five one-story five-room dwellings.

Owner—J. A. Sullivan, 1st National Bk. Bldg., Berkeley.

Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

Contractor—H. J. Kopp, Oakland.

Filed Oct. 6, '19. Dated Oct. 1, '19.

Partitions up ..... \$ 450.00

Exterior mill work on ..... 1200.00

Ready for plaster ..... 450.00

Enclosed ..... 450.00

Completed and accepted ..... 314.25

Completion of carpenter wk ..... 3450.00

Usual 35 days ..... 704.75

TOTAL COST, \$7019.00

Bond, limit, forfeit, none. Plans and specifications filed.

(3138) LATH AND PLASTER interior of all houses and exterior of houses No. 3 and 5.

Contractor—Wm. Makin, 3828 Beaumont Ave., Oakland.

Filed Oct. 6, '19. Dated Oct. 1, '19.

Brown coat on each interior ..... \$500

Brown coat on each exterior ..... 175

Interior plaster completed ..... 50

Completed ..... Balance

TOTAL COST, \$1535

Bond, limit, forfeit, none. Plans and specifications filed.

## DWELLING

(3139) NO. 1410 STUART, Berkeley. One-story 3-room dwelling.

Owner—L. McHenry, Premises. Architect—None.

Contractor—Ahnefeld & Brennen, 3108 Harper, Berkeley. COST, \$1780

## DWELLING, ETC.

(3140) SW FREMONT AND WOOLSEY, Berkeley. Two one-story 4-room dwellings and garages.

Owner—P. Schnoor, 1534 Franklin, Oakland.

Architect—None.

Contractor—California Builders Co., 1534 Franklin, Oakland.

COST, \$2500 each

## DWELLING

(3141) NO. 833 OXFORD, Berkeley. One-story 6-room dwelling.

Owner—Ralph R. Eltse, 1915 Escondido Ave., Berkeley.

Architect—None.

Contractor—B. Pearson, Grant St., Berkeley. COST, \$4000

## ALTERATIONS

(3142) NO. 1920 TENTH, Berkeley. Alterations.

Owner—Miss Melin, Premises. Architect—None.

Contractor—F. Fanner, 1118 Delaware Berkeley. COST, \$400

## DWELLING

(3143) E FIFTIETH AVE 119 N E-14th, Oakland. One-story 4-room dwelling.

Owner—M. W. Kain, 627 Muller Ave., San Francisco.

Architect—None. Day's work. COST, \$2000

## DWELLING

(3144) NO. 1523 THIRTY-THIRD AVE., Oakland. One-story 5-room dwlg.

Owner—Mrs. Mary Collins, 1419 100th Ave., Oakland.

Architect—None.

Contractor—A. J. Bellefontaine, 6712 Flora, Oakland. COST, \$3450

## ALTERATIONS

(3145) NO. 3424 HAVEN, Oakland. Alterations and repairs.

Owner—M. Cavallo, Premises. Architect—None.

Contractor—N. Cavallo, Premises. COST, \$100

## ALTERATIONS

(3146) NO. 429 FOURTEENTH, Oakland. Alterations.

Owner—Carl Massey, Premises. Architect—None.

Day's work. COST, \$400

## HEATING PLANT

(3147) LOT 47 Lake Shore Park Heights, Oakland. All work for heating plant in apartments.

Owner—L. B. Hoge, 943 Pacific Bldg., San Francisco.

Architect—Schimer Bugbee & Co., Thayer Bldg., Oakland.

Contractor—L. D. Frazee, 699 36th St., Oakland.

Filed Oct. 8, '19. Dated Sept. 16, '19.

Roughed in ..... 40%

Completed ..... 35%

Usual 25 days ..... 25%

TOTAL COST, \$1015

Bond, limit, forfeit, none. Plans and specifications filed.

## PLASTERING

(3148) S UNIVERSITY AVE. bet. Curtis and Bonar, Berkeley. Plastering work for alterations and additions to Burbank School.

Owner—The Board of Education of the City of Berkeley and Berkeley School District in the County of Alameda, State of California.

Architect—Walter H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

Contractor—George Dixon, 541 Adga Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

On 1st Saturday after 1st Tuesday of each month ..... 75

Usual 35 days ..... 35

TOTAL COST, \$299

Bonds, \$1494 and 747. Surety, Fidelity & Casualty Co. Limit, 40 days. Forfeit, plans and specifications, none.

(3149) CARPENTER WORK above.

Contractor—S. J. Bertelsen, 667 39th Oakland.

Filed Oct. 8, '19. Dated Sept. 24, '19.

Payments same as above ..... TOTAL COST, \$30.95

Bonds, \$7738 and \$15,475. Surety, Globe Indemnity Co. Limit, 110 days. Forfeit, plans and specifications, none.

(3150) TILE WORK ON ABOVE.

Contractor—Robert Howden & Son, 1115 Webster, Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

Payments same as above ..... TOTAL COST, \$215

Bonds, \$540 and \$1080. Surety, Fidelity & Casualty Co. Limit, 20 days. Forfeit, none. Plans and specification filed.

## TILE WORK

(3151) S OREGON bet. Grant and Mc Gee Ave., Berkeley. Tile work on Edison School.

Owner—The Board of Education of the City of Berkeley and Berkeley School District in the County of Alameda, State of California.

Architect—Walter H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

Contractor—The Rigney Tile Co., 214 Telegraph Ave., Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

1st Saturday after 1st Tuesday of each month ..... 75

Usual 35 days ..... 25

TOTAL COST, \$229

Bond, \$575 and \$1148. Surety, Nations Surety Co. Limit, 15 days. Forfeit, plans and specifications, none.

(3152) PLASTERING WORK above.

Contractor—George Dixon, 541 Adga Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

Payments same as above ..... TOTAL COST, \$85

Bonds, \$213 and \$425. Surety, Fidelity & Casualty Co. Limit, 30 days. Forfeit, plans and specifications, none.

(3153) PLUMBING WORK ON ABOVE

Contractor—Frederick W. Snook Co, 594 Clay, San Francisco.

Filed Oct. 8, '19. Dated Sept. —, '19.

Payments same as above ..... TOTAL COST, \$438

Bonds, \$1097 and \$2193. Surety, Fidelity & Casualty Co. Limit, 80 days. Forfeit, plans and specifications, none.

(3154) CARPENTER WORK above.

Contractor—C. Christensen & Son, 56 16th, Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

Payments same as above ..... TOTAL COST, \$21.85

Bonds, \$4566 and \$10,932. Surety, National Surety Co. Limit, 60 days. Forfeit, plans and specifications, none.

(155) ELECTRIC WORK ON ABOVE.  
Contractor—Kings Electrical Co., 1206 Broadway, Oakland.  
Filed Oct. 8, '19. Dated Oct. 3, '19.  
Payments same as above.  
Bonds, \$187 and \$373. Surety, \$1,000.  
Limit, 30 days. Forfeit, plans and specifications, none.

## CARPENTER WORK

(154) CLAREMONT AVE. bet. Webster and Russell, Berkeley. All carpenter work on John Muir School.

Owner—The Board of Education of the City of Berkeley and Berkeley School District in the County of Alameda, State of California.

Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.

Contractor—Mathew Morton, 2911 Benvenue Ave., Berkeley.

Filed Oct. 8, '19. Dated Sept. 25, '19.

1st Saturday after 1st Tuesday

of each month. 75%

Usual 35 days. 25%

TOTAL COST, \$47,777

Bonds, \$11,945 and \$23,889. Surety,

National Surety Co. Limit, 150 days.

Forfeit, plans and specifications, none.

(157) TILE WORK ON ABOVE.

Contractor—The Rigney Tile Co., 2148

Telegraph Ave., Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

Payments same as above.

TOTAL COST, \$398

Bonds, \$100 and \$199. Surety, National

urety Co. Limit, 50 days. Forfeit,

plans and specifications, none.

(158) PAINTING ON ABOVE.

Contractor—James Cahill & Co., 372

12th, Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

Payments same as above.

TOTAL COST, \$3100

Bonds, \$775 and \$1550. Surety, Fidelity

& Casualty Co. Limit, 50 days. For-

feit, plans and specifications, none.

(159) PLUMBING ON ABOVE.

Contractor—Frederick W. Snook Co.,

534 Clay, San Francisco.

Filed Oct. 8, '19. Dated Sept. 25, '19.

Payments same as above.

TOTAL COST, \$4085

Bonds, \$1022 and \$2043. Surety, Fidelity

& Casualty Co. Limit, 50 days. For-

feit, plans and specifications, none.

(160) PLASTERING ON ABOVE.

Contractor—Wm. Makin, 3828 Beau-

mont Ave., Oakland.

Filed Oct. 8, '19. Dated Sept. 27, '19.

Payments same as above.

TOTAL COST, \$5893

Bonds, \$1474 and \$2043. Surety, Fi-

delity & Casualty Co. Limit, 50 days.

Forfeit, plans and specifications, none.

(161) HEATING AND VENTILATING

on above.

Contractor—W. K. Nottingham, 1905

Webster, Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

Payments same as above.

TOTAL COST, \$13,570

Bonds, \$3393 and \$6785. Surety, Fi-

delity & Casualty Co. Limit, 50 days.

Forfeit, plans and specifications, none.

EXCAVATING, ETC.

(162) E TELEGRAPH AVE., bet.

Ward and Stuart, Berkeley. Exca-

vating, grading, concrete and brick

work for Frances Willard School.

Owner—The Board of Education of

the City of Berkeley and Berkeley

School District in the County of

Alameda, State of California.

Architect—James W. Plachek, 2014

Shattuck Ave., Berkeley.

Contractor—Jepsen Bros., Berkeley.

Filed Oct. 8, '19. Dated Sept. 25, '19.

1st Saturday after 1st Tuesday

of each month. 75%

Usual 35 days. 25%

TOTAL COST, \$11,105

Bonds, \$2777 and \$5553. Surety, Fi-

delity & Casualty Co. Limit, 50 days.

Forfeit, plans and specifications, none.

(163) ELECTRIC WORK ON ABOVE.

Contractor—E. C. White, 2034 Center,

Berkeley.

Filed Oct. 8, '19. Dated Sept. 26, '19.

Payments same as above.

TOTAL COST, \$713

Bonds, \$179 and \$357. Surety, Fidelity

& Casualty Co. Limit, 50 days. For-

feit, plans and specifications, none.

(164) CARPENTER WORK ON

above.

Contractor—C. D. Vezey, 1812 Prince,

Berkeley.

Filed Oct. 8, '19. Dated Sept. 25, '19.

Payments same as above.

TOTAL COST, \$31,357

Bonds, \$7840 and \$15,679. Surety, Fi-

delity & Casualty Co. Limit, 50 days.

Forfeit, plans and specifications, none.

(165) TILE WORK ON ABOVE.

Contractor—The Rigney Tile Co., 2148

Telegraph Ave., Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

Payments same as above.

TOTAL COST, \$837

Bonds, \$210 and \$419. Surety, National

Surety Co. Limit, 50 days. Forfeit,

plans and specifications, none.

(166) PLASTERING ON ABOVE.

Contractor—Wm. Makin, 3828 Beau-

mont Ave., Oakland.

Filed Oct. 8, '19. Dated Sept. 27, '19.

Payments same as above.

TOTAL COST, \$5465

Bonds, \$1367 and \$2733. Surety, Fi-

delity & Casualty Co. Limit, 50 days.

Forfeit, plans and specifications, none.

DWELLING

(167) E SCENIC AVE 40 S Rose

Terrace, Berkeley. One and one-half

story 6-room dwelling.

Owner—P. H. Franks, 2709 McGee Ave.,

Berkeley.

Architect—None.

Day's work. COST, \$4000

DWELLING

(168) N ASHBY AVE 125 E Pine,

Berkeley. Two-story 6-room dwlg.

Owner—J. I. McCauley, 139 Hearst

Ave., Berkeley.

Architect—None.

Day's work. COST, \$4000

DWELLING

(169) W MANILA AVE 150 N 41st,

Oakland. One-story 5-room dwlg.

Owner—Ella M. Pinnella, 1200 Pine,

San Francisco.

Architect—None.

Contractor—Andrew C. Shrap, 3260

Kansas, Oakland.

COST, \$3500

ALTERATIONS

(170) E SHATTUCK AVE bet. 50th

and 51st, Oakland. Alter into car

barns.

Owner—S. F. & O. T. Railway, 22nd

and Grove, Oakland.

Architect—None.

Day's work. COST, \$2500

ALTERATIONS

(171) W TELEGRAPH AVE bet.

50th and 51st, Oakland. Alterations

to car barns.

Owner—S. F. & O. T. Railway, 22nd

and Grove, Oakland.

Architect—None.

Day's work. COST, \$9000

DWELLING

(172) NO. 2067 SANTA CLARA AV.,

Alameda. One-story 6-room dwell-

ing and garage.

Owner—J. R. Russell, 2149 Santa

Clara Ave., Alameda.

Architect—F. Dakin, 310 California,

San Francisco.

Contractor—Fred Miller, 225 Dolores,

San Francisco.

COST, \$8400

ADDITION

(173) NO. 2218 CLINTON AVE., Ala-

meda. Addition.

Owner—James Kitterman, 855 Cedar,

Alameda.

Architect—None.

Day's work. COST, \$1500

ALTERATIONS

(174) VERSAILES AVE., Alameda.

Alterations.

Owner—Mrs. I. M. Heweston, 2409

Harrison Ave., Alameda.

Architect—None.

Contractor—F. L. Gresham, 1114 Re-

gent, Alameda.

COST, \$500

GARAGE

(175) NO. 1820 WEBSTER, Ala-

meda. Garage.

Owner—R. C. Clay, 1819 Webster,

Alameda.

Architect—None.

Day's work. COST, \$400

ALTERATIONS

(176) NO. 2106 EAGLE AVE., Ala-

meda. Alterations.

Owner—Mrs. Hubb, Premises.

Architect—None.

Contractor—L. R. Roloff, 1538 Willow

Alameda.

COST, \$450

ALTERATIONS

(177) NO. 2114 SANTA CLARA AVE.,

Alameda. Alterations.

Owner—Mrs. Middlemus, Premises.

Architect—None.

Contractor—Emil Hogberg.

COST, \$—

FOUNDATION

(178) NO. 2145 CLINTON AVE., Ala-

meda. Foundation.

Owner—J. J. Mulvany, 1110 Chestnut,

Alameda.

Architect—None.

Day's work. COST, \$400

DWELLING

(179) S SONOMA AVE 313 W Jose-

phine, Berkeley. One and one-

half-story 6-room dwelling.

Owner—Berkeley Development Co.,

Shattuck and Addison, Berkeley.

Architect—H. H. Gutterson, 278 Post,

San Francisco.

Contractor—Mason McDuffie Co.,  
Shattuck and Addison, Berkeley.  
COST, \$3000

## DWELLING

(3180) S SONOMA AVE 213 W Jose-  
phine, Berkeley. One-story 5-room  
dwelling.

Owner—Berkeley Development Co.,  
Shattuck & Addison, Berkeley.

Architect—H. H. Gutterson, 278 Post,  
San Francisco.

Contractor—Mason McDuffie Co. Shat-  
tuck and Addison, Berkeley.  
COST, \$3000

## DWELLING

(3181) NO. 735 CEDAR, Berkeley.  
One-story 4-room dwelling.

Owner—A. M. Brown, 5455 Manila Ave.,  
Oakland.

Architect—None.  
Day's work. COST, \$1400

## GARAGE

(3182) NO. 1590 LE ROY, Berkeley.  
Garage.

Owner—C. Judson, Cedar & Le Roy,  
Berkeley.

Architect—None.  
Contractor—C. H. Hemstall, 2204  
Roosevelt, Berkeley. COST, \$400

## DWELLING

(3183) GREENBANK AVE near Oak-  
land Ave., Piedmont. Two-story  
frame dwelling.

Owner—Justus Norris, 2828 Richmond  
Ave., Oakland.

Architect—None.  
Day's work. COST, \$3000

## DWELLINGS

(3184) W PARK BLVD. 140 and 185  
N Hampel, Oakland. Two one-story  
7-room dwellings.

Owner—Wallace Morrison, 180 Kemp-  
ton Ave., Oakland.

Architect—None.  
Contractor—Solomon Morris, 1507 Har-  
rison, Oakland. COST, \$4500 each

## GARAGES

(3185) NOS. 4115 AND 4125 PARK  
BLVD., Oakland. Two garages.

Owner—Wallace Morrison, 180 Kemp-  
ton Ave., Oakland.

Architect—None.  
Contractor—Solomon Morris, 1507 Har-  
rison, Oakland. COST, \$600 each

## DWELLINGS

(3186) S EXCELSIOR BLVD. 100, 130,  
160 and 200 E Capell, Oakland. Four  
one-story 6-room dwellings.

Owner—Geo. H. Hollidge, 5926 Taft  
Ave., Oakland.

Architect—None.  
Day's work. COST, \$5700 each

## DWELLING, ETC.

(3187) N E-FOURTEENTH 75 W 39th  
Ave., Oakland. Two-story 6-room  
dwelling and store.

Owner—E. S. Hauser, E-14th and 39th  
Ave., Oakland.

Architect—None.  
Contractor—Hancock & Lydicksen, 1244  
39th Ave., Oakland. COST, \$4460

## GARAGES

(3188) S EXCELSIOR BLVD. 118, 158,

190 and 220 E Capell, Oakland. Four  
garages.

Owner—Geo. H. Hollidge, 5926 Taft  
Ave., Oakland.

Architect—None.  
Day's work. COST, \$400 each

## WAREHOUSE

(3189) N E-FOURTEENTH 225 E 52d  
Ave., Oakland. One-story ware-  
house.

Owner—C. J. Smith, 5034 E-14th, Okd.

Architect—None.  
Day's work. COST, \$400

## ADDITION

(3190) NO. 2763 E-TWENTY-THIRD,  
Oakland. Addition.

Owner—Paul Otto, Premises

Architect—None.  
Day's work. COST, \$400

## ALTERATIONS

(3191) FORTIETH AND MANILA  
Ave., Oakland. Alterations and ad-  
ditions.

Owner—White Star Laundry, Prem.

Architect—None.  
Contractor—C. T. Moore, 446 38th, Okd.  
COST, \$500

## ADDITION

(3192) NO. 3721 LINCOLN AVE., Oak-  
land. Addition.

Owner—Frank Kulchar.

Architect—None.  
Day's work. COST, \$400

## GARAGE

(3193) NO. 712 ARIMO AVE., Oakland  
Garage.

Owner—MacDonald & Vinson, Syndi-  
cate Bldg., Oakland.

Architect—None.  
Contractor—Solomon Morris, 1507 Har-  
rison, Oakland. COST, \$400

## GARAGE

(3194) NO. 781 SANTA RAY AVE.,  
Oakland. Garage.

Owner—MacDonald & Vinson, Syndi-  
cate Bldg., Oakland.

Architect—None.  
Contractor—Solomon Morris, 1507 Har-  
rison, Oakland. COST, \$400

## DWELLING

(3195) N SIXTY-THIRD 100 E Lowell  
Oakland. One-story 4-room dwlg.

Owner—Hugo Nyman, 1625½ Felton,  
Berkeley.

Architect—None.  
Day's work. COST, \$1200

## ADDITION

(3196) W ZORAH 150 N Brooklyn,  
Oakland. Addition.

Owner—C. J. Pfrang, 480 Forest,  
Oakland.

Architect—None.  
Day's work. COST, \$500

## MARQUIS

(3197) NO. 2946 COLLEGE AVE., Ber-  
keley, Marquis.

Owner—Etter & Keimp, S. F.

Architect—None.  
Contractor—Henry McCullough, 1641  
Allston Way, Berkeley. COST, \$938

## DWELLING

(3198) W TWENTY-SEVENTH AVE  
300 N E-14th, Oakland. One-story 4  
room dwelling.

Owner—Augustine McLean, 1201 30th  
Ave., Oakland.

Architect—None.

Contractor—J. G. Hart & Sons, 241  
E-20th, Oakland. COST, \$290

## DWELLING

(3199) W SEVENTY-FOURTH AVE  
532 N E-14th, Oakland. One-story 5  
room dwelling.

Owner—Mrs. Addie Rutter, 1214 95th  
Ave., Oakland.

Architect—None.

Contractor—E. O. Francis, 4315 E  
12th, Oakland. COST, \$2400

## DWELLING

(3200) S KEITH AVE 100 W Pryal  
Ave., Oakland. One-story 6-room  
dwelling.

Owner—Mrs. Frederick, Berkeley.

Architect—None.

Contractor—Edw. Larmer, 470 Boule-  
vard Way, Oakland. COST, \$3900

## DWELLING

(3201) E ELEVENTH AVE 262 N  
E-24th, Oakland. One-story 5-room  
dwelling.

Owner—H. D. Becraft, 2401 27th Ave.,  
Oakland.

Architect—None.  
Day's work. COST, \$2500

## DWELLING

(3202) S E-THIRTY-THIRD 140 E  
Stuart, Oakland. One-story 3-room  
dwelling.

Owner—Geo. W. Dishers, 3230 Stuart,  
Oakland.

Architect—None.  
Day's work. COST, \$1300

## ADDITION

(3203) NO. 1116 E-TWENTY-FIRST,  
Oakland. Addition.

Owner—M. Maschburn, Premises.

Architect—None.

Contractor—Karl Schley, 1155 E-14th,  
Oakland. COST, \$750

## REPAIRS

(3204) NO. 901 EXCELSIOR, Oakland  
Repairs.

Owner—F. Pineo.

Architect—None.

Contractor—Chas. E. Quigley, 464 Van  
Buren, Oakland. COST, \$500

## STATION

(3205) SE SIXTH AND WEBSTER,  
Oakland. Steel service station.

Owner—Standard Oil Co., 209 Bush,  
San Francisco.

Architect—None.  
Day's work. COST, \$500

## STATION

(3206) NW FOURTEENTH AND OAK  
Oakland. Steel service station.

Owner—Standard Oil Co., 209 Bush,  
San Francisco.

Architect—None.  
Day's work. COST, \$500

## ALTERATIONS

(3207) NO. 981 LAKESHORE AVE.,  
Oakland. Alterations.

Owner—John Corgiat.

Architect—None.  
Contractor—John Perona, 570 7th, Okd.  
COST, \$495

## COMPLETION NOTICES.

## Alameda County.

Recorded Accepted  
Oct. 4, 1919—S E-FOURTEENTH  
adjoining No. 3069 E-14th Co. 3x  
100.19, Okd. Derby Estate Co. to  
George H. Lydskien. Oct. 1, 1919  
Oct. 2, 1919—LOT 36 BLK 4, Thous-  
and Oaks Station Tract, Okd. H  
H Schuessler to whom it may con-  
cern. Oct. 2, 1919

## NOTICE OF NON-RESPONSIBILITY.

## Alameda County.

Oct. 7, 1919—N ½ Sbdvn 2 Blk 36  
and Sbdvn 3 Blk 97 Map showing  
Sbdvns of part town lands of Town  
of Newark. William E McDonough  
as to improvements on leased  
property

## BUILDING CONTRACTS.

## Santa Clara County.

COTTAGE & GARAGE  
S TWELFTH ST., near Santa Clara.  
San Jose. Frame cottage and garage  
Owner—Mr. Richards.  
Architect—Chas. McKenzie, Bank of  
San Jose Bldg., San Jose.  
Contractor—J. E. Perkins, 1562 E-  
Santa Clara St., San Jose.  
COST, \$5800

COTTAGES  
EIGHTH AND WILLIAM STS., San  
Jose. Three gunité cottages.  
Owner—Miss E. Sellner, San Jose.  
Architect—S. N. Arnold, 711 Balboa  
Bldg., San Jose.  
Contractor—Cement Gunité Con. Co.,  
711 Balboa Bldg., San Jose.  
COST, \$2200 each

REPAIRS, ETC.  
NO. 319 S-FIRST ST., San Jose. New  
front and repairs.  
Lessee—Black Pkg. Co.  
Architect—Wallace & Bush.  
Contractor—Wallace & Bush, Bank of  
San Jose Bldg., San Jose.  
COST, \$1200

ALTERATIONS  
N-SIXTH ST., China Town, San Jose.  
Alterations.  
Owner—Wong Chee.  
Architect—None.  
Contractor—Z. O. Field, Builders' Ex-  
change, San Jose.  
COST, \$1200

## BUILDING CONTRACTS.

## Sacramento County.

FRAME RESIDENCE  
NO. 1960 THIRTY-SIXTH ST., Sacra-  
mento. One-story 5-room frame  
residence.  
Owner—W. B. Phillips, 4139 4th Ave.,  
Sacramento.  
Architect—None.  
Day's work. COST, \$2000

ALTERATIONS  
NO. 1714 FOURTEENTH ST., Sacra-  
mento. Build 4 rooms and bath in  
basement of residence.  
Owner—E. A. Spilman, 1712 14th St.,  
Sacramento.  
Architect—None.  
Contractor—Ed. Harvie, 2421 16th St.,  
Sacramento.  
COST, \$1000

## COMPLETION NOTICES.

## Sacramento County.

Recorded Accepted  
Oct. 4, 1919—NOS. 1326-28 P ST., Sacra-  
mento. L. T. Black to whom it  
may concern. Oct. 1, 1919

## NOTICE OF NON-RESPONSIBILITY.

## Sacramento County.

Oct. 4, 1919—S K STREET bet. 6th  
and 7th; No. 620 K St., Sacramento.  
Nellie Turton, Kate Turton and  
Harriet Knox as to improvements  
on leased property

## BUILDING CONTRACTS.

## San Joaquin County.

ALTERATIONS  
N AURORA ST., bet. Miner and Lind-  
say Sts., Stockton. Alterations.  
Owner—W. R. Bruce, Stockton.  
Architect—None.  
Day's work. COST, \$1000

BUILDING  
NORTH EL DORADO ST., bet. Flora  
and Poplar Sts., Stockton. Brick  
and frame building.  
Owner—J. L. Bernadicon, Stockton.  
Architect—None.  
Day's work. COST, \$12,200  
NOTE:—Permits applied for.

ALTERATIONS  
E-WEBER AVE., bet. Sutter and Cali-  
fornia Sts., Stockton. Remodel.  
Owner—Wilhoit & Douglass, Premises  
Architect—None.  
Day's work. COST, \$14,000

FRAME DWELLING  
NO. 1320 SOUTH STANISLAUS ST.,  
Stockton. Frame dwelling.  
Owner—C. D. Johnson, Stockton.  
Architect—None.  
Day's work. COST, \$4200

DWELLING  
WEST VINE ST., bet. Monroe and Van  
Buren Sts., Stockton. Frame dwell-  
ing and garage.  
Owner—C. Arata, Stockton.  
Architect—None.  
Day's work. COST, \$4800

DWELLINGS  
WEST JACKSON ST., Stockton. Two  
frame dwellings and garages.  
Owner—E. M. Cooney, Stockton.  
Architect—None.  
Day's work. COST, \$2000 each

DWELLING  
McCLOUD'S ADDITION, Stockton.  
Frame dwelling and garage.  
Owner—C. F. Stewart, Stockton.  
Architect—None.  
Day's work. COST, \$2275

## BUILDING CONTRACTS.

## Fresno County.

DWELLINGS  
S ½ LOT 8 and S ½ LOT 9 Blk 17, Wil-  
son Trct, Fresno. Two frame dwell-  
ings and garages.  
Owner—H. T. Humphreys, 1040 Roose-  
velt St., Fresno.  
Architect—None.  
Day's work. COST, \$2500 each

FRAME DWELLING  
LOTS 12 AND 13 BLK 9, College Ad-  
dition, Fresno. Frame dwelling and  
garage.

Owner—Budge.  
Architect—None.  
Contractor—G. C. Cannon, Butler &  
S-8th St., Fresno.  
COST, \$3000

ALTERATIONS  
LOTS 30, 31 AND 32 BLK 83, Fresno.  
Alter building.  
Owner—Bank & Trust Co., of Central  
California, "J" and Mariposa Sts.,  
Fresno.  
Architect—None.  
Contractor—Trewitt & Shields Co.,  
Rowell Bldg., Fresno.  
COST, \$5000

DWELLING  
LOTS 10 & 11 BLK 5, Fresno Heights,  
Fresno. Frame dwelling and garage  
Owner—Louis Ryan, 1015 Cambridge  
St., Fresno.  
Architect—None.  
Contractor—H. Dickey, 150 Howard  
St., Fresno.  
COST, \$3500

FRAME COTTAGES  
STATIONS 2, 3, 5 AND 6, Fresno. All  
work for four 1-story 4-room frame  
cottages.  
Owner—Associated Oil Co., 614 Rowell  
Bldg., Fresno.  
Architect—None.  
Contractor—J. H. Pelkey, Fresno.  
Filed Oct. 2, '19. Dated Aug. 11, '19.  
1st payment ..... 75%  
When completed ..... 25%  
TOTAL COST, \$—  
Bond, \$2500. Surety, Fidelity & De-  
posit Co. of Maryland. Limit, forfeit,  
plans and specifications none.

## LIENS FILED.

## Sacramento County.

Recorded Amount  
Oct. 6, 1919—E 20 FEET LOT 2, P,  
Q, 5th and 6th Sts., Sacramento.  
E E Earle vs Arthur M Para et al  
.....\$49.50

## AMERICAN LUMBER WANTED IN ITALY.

It is stated by one who is well in-  
formed as to the lumber trade of  
Italy, and who gave Trade Commis-  
sioner Nelson C. Brown considerable  
information during his investigation  
here last year, that the Italian market  
is practically bare of lumber at the  
present time and that pitch pine es-  
pecially is in demand, writes Trade Com-  
missioner H. C. MacLean from Rome,  
August 20, 1919. Efforts have been  
made by Italian dealers to supply their  
needs from Austria, which previous to  
the war furnished the bulk of the  
lumber imported into Italy, but it has  
been found impossible to obtain ship-  
ments of any large quantities. It ap-  
pears that Austrian competition need  
not be feared for some time to come  
and that the time is ripe for American  
firms to enter the market.

## TOWN NOT DEAD BY A DAM SITE.

At an all-day meeting at Florence,  
Arizona, the citizens of Pinal County  
raised \$7,000 in cash to be used in an  
advertising campaign in behalf of the  
San Carlos dam.

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron

# work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock

Doors, Sash Frames and Mouldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BIRCH  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
OREGON MAPLE-PLAIN OAK  
QUARTERED OAK-  
WYBROCK BENDING OAK  
DO PLAR-WALNUT



BOXWOOD-ENGRY-IRONBARK  
JENISERO-KOA-SPANISH CEDAR  
LIGHTUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RIB BEAN  
SPOTTED GUM-CANADIAN WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBROCK VENEERED PANELS  
BOWELS-TREENAILS-VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUIT, Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



The Library  
Hays & Franklin

# Building & Engineering News

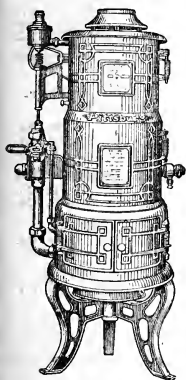
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., October 22, 1919

Published Every Wednesday  
Nineteenth Year, No. 43



## A BIG THING

New Model No. 65

"Pittsburg-  
Bungalow"

Automatic Water  
Heater.

Capacity three gallons  
per minute.

Just the size to fit the  
average two-story home  
or nice Bungalow.

A "Pittsburg" Automatic Gas  
Water Heater installed in the  
home indicates high quality  
throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

**The Most Powerful Made  
Safe and Economical**

Manufactured on a solid base and do not  
contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

**California Trojan Powder Company**

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

## The Technical Engineers' Service Organization.

### Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill.	PRESIDENT
W. W. DEBERARD, Western Editor Engineering News-Record, Chicago	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago	TREASURER
C. E. DRAYER	SECRETARY

### Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng., Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry. Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

### San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co.	THIRD VICE-PRESIDENT

#### EXECUTIVE COMMITTEE

J. H. Knowles.....W. P. R. R.
F. Johnston.....Union Const. Co.
L. D. Howland.....C. C. Moore Co.
I. G. Grundel.....Union Oil Co.

#### AUDITING COMMITTEE

T. H. Brown.....S. P. R. R.
E. B. Crane.....C. M. & P. S. Ry.
P. J. Rowell.....I. C. C.

#### COMPENSATION COMMITTEE

G. M. Nelson.....Consulting Eng.
E. V. Vandercook.....S. P. R. R.
W. T. Cleland.....
Chief Dep. Sur. Santa Clara Co.
V. D. Cousine.....P. T. & T. Co.

#### FELLOWSHIP COMMITTEE

W. H. Rupp.....S. P. R. R.
EMPLOYMENT REPRESENTATIVE

#### MEMBERSHIP COMMITTEE

D. L. Reynolds.....Pac. Fruit Ex. Co.
J. Amweg.....Consulting Eng.
W. H. Rupp.....S. P. R. R.
E. D. Brown.....Redwood Mfrs. Co.
Clarence D. Stone.....S. P. Co.
A. B. Hartley.....S. P. Co.
H. W. Shrieber.....City of Oakland.
F. E. Geibel.....S. P. Co.
C. B. Newberry.....Inter. Com. Com.
J. F. Johnston.....Union Const. Co.
E. V. Vandercook.....S. P. Co.

#### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....S. P. Co.
O. R. West.....A. T. & S. F. Co.
W. S. Wollner.....N. W. P. Co.

#### QUALIFICATION COMMITTEE

W. H. Phelps.....S. P. Co.
O. R. West.....A. T. & S. F. Co.

#### PUBLICITY COMMITTEE

E. D. Brown.....Redwood Mfrs. Co.
G. M. Nelson.....Consulting Eng.

#### POLITICAL COMMITTEE

E. H. Herbert.....Oliver Mfg. Co.
-----------------------------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

### CHAPTERS & CLUBS:

#### SACRAMENTO CHAPTER

Lathrop, H. A.....Secretary
1321 Thirty-third St.,
Sacramento - California

#### LOS ANGELES CHAPTER

Harris, A. L.....Secretary
1104 Central Building
Los Angeles - California

#### PORTLAND CHAPTER

Barnes, R. W. ....Sec. & Treas.
36 Union Station
Portland - Oregon

#### FRESNO CHAPTER

Jean L. Vincenz.....Secretary
P. O. Box 922
Fresno - California

#### SAN DIEGO CHAPTER

Grumm, Fred.....Secretary
2898 Spruce Street
San Diego - California

#### SAN BERNARDINO CLUB

Woods, M. A.....Secretary
608 Tenth Street
San Bernardino - California

#### EUREKA CLUB

Howard, F. W.....Secretary
Eureka - California

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
500 Mission Street.  
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEAD-QUARTERS.

The American Association of Engineers announces the appointment of H. G. Shirley, of the Highways Industries Association in Washington, as corresponding highway member of the Committee on Salaries of Engineers in Public Service, of which A. N. Johnson, consulting highway engineer of the Portland Cement Association, is chairman. Mr. Shirley's appointment was inadvertently omitted from the previous announcement.

The corresponding highway members, in addition to Mr. Shirley, are: Thos. H. McDonald, chief of U. S. Bureau of Public Roads; W. L. Passot, Bureau of Municipal Research, New York; Col. W. D. Uhler, chief engineer, Pennsylvania State Highway Department; A. B. Fletcher, State Highway Engineer of California; A. W. Dean, chief engineer, Massachusetts Highway Commission, and Clifford Older, chief engineer Illinois State Highway Department.

Plastering the words "Bridge Engineer" across its entire front page, the Portland (Oregon) Telegram announces the opposition of engineers of Multnomah County to the appointment of an eastern bridge engineer to design and construct several bridges in the city of Portland. The estimated cost of the bridge program is between 2½ and 5 millions. A number of Portland engineers appeared before the Board of County Commissioners and registered a protest against the plan to engage a Kansas City bridge firm to carry out the work. As a result of the protest the Board of Commissioners asked the engineering societies of Portland to recommend an Oregon engineer who, in their estimation, is competent to undertake the entire program.

One can obtain a good conception of the remarkable growth of the American Association of Engineers during the last year, when it is known that the number of paid employees at the national headquarters of the Association has grown in that time from four to sixty.

The Baltimore Chapter of the American Association of Engineers presented to the Board of Estimates of the City of Baltimore, under date of September 27, a report of the compensation committee of that Chapter on salaries of engineer employees of the city with the request that the board analyze the situation and take such action as seems advisable.

The schedule recommended covers more than sixty grades of engineer employees of the city. It recommends an increase for the chief engineer of at

least \$2,500 to bring his salary to a minimum of \$10,000 per annum, with a maximum of \$15,000. Some of the other recommendations are tabulated below:

Present Title.	Present Ann'l Salary	Ann'l Salary Recommended by Com. Min.	Max.
Highway Engineer, Water Engineer, Harbor Engineer, Chief Engineer Paving Commission and Inspector of Buildings.....	\$4,000	\$5,000	\$7,500
Division Engineer of Sewers.....	3,300	3,600	5,000
Principal Ass't Engineer Water Dept.....	3,000	3,600	5,000
Mechanical Engineer Water Dept.....	2,700	3,600	5,000
Assistant Engineer Water Dept.....	2,200	2,700	3,300
Assistant Engineer of Bridges and Improvements, Highway Dept.....	2,000	2,700	3,300
Designing Engineer Water Dept.....	1,800	2,700	3,300
Assistant Engineer, Grade AA, Water Dept.....	2,000	2,400	3,000
Office Engineer, Paving Commission.....	2,000	2,400	3,000
Field Engineer, Highway Dept.....	1,500	2,400	3,000
Draftsmen, All Depts.....	1,500 Max.	1,500	2,100
Instrumentmen, All Depts.....	1,200	1,500	2,100
Rodmen, All Depts.....	1,020	1,200	1,500
Tracers, All Depts.....	840 Max.	1,080	1,200
Chainmen, All Depts.....	900 Max.	1,080	1,200

## RAILROAD COMMISSION.

Case 1378: Whether it is legally bound to pay a surcharge to the Southern Sierras Power Company 2 mills or 2½ mills upon electrical energy purchased by the City of Redlands is presented in a case filed with the Railroad Commission today by the city against the company. The city alleges that it is a municipal distribution system and, as such, is entitled to the rate of a 2 mills surcharge instead of the higher rate charged to other purposes. The city of Redlands says that the company is demanding payment of 2½ mills which the city has refused to pay.

App. 5043: A new power development in Ventura County by which 35,000 horsepower is to be developed and 100,000 acre feet of water is to be preserved for irrigation purposes is disclosed in the application, filed with the Railroad Commission, of the Sespe Light and Power Company for a certificate of public convenience authorizing the project.

The application of the company is signed by Frank Buren, President, and the application represents that the preliminary costs for surveys and such work aggregating \$100,000 will be paid from funds provided by the principal stockholders of the company. At the proper time, the applicant states, requests for issuing bonds and preferred stock will be made to complete the financing of the aggregate, which is not stated in the petition.

Applicant states that in addition to the power development, there are 100,000 acres of fertile lands in the valleys adjacent to the site which urgently need water, and that the very fact of its storage will prevent great flood losses. The scope of the project is thus stated in the application.

"That the said first unit of the project consists of two reservoirs with a combined capacity of approximately 51,000 acre feet, 46,000 feet of power conduit, 3,000 feet of pressure pipe, 1,000 feet head and a 10,000 kilowatt power plant, to be later increased to 18,000 k. w. when unit No. 2 is built, the whole thereof shown on the "Key map" on file with the U. S. Forest Service, copy of which, as referred to below, is attached hereto and marked "Exhibit C." The second unit contemplates 100,000 acre feet of storage on the Piru watershed, 90,000 feet of conduit, 1,000 feet of pressure, 2,300 feet head, 8,000 k. w. installation at power plant No. 2, and the increasing of plant No. 1 by 8,000 k. w. as aforesaid, all of which, in connection with the whole project, is shown in the general map herewith marked "Exhibit D." A third unit or complete development of the project contemplates additional storage, either on the upper Sespe or at desirable sites in the irrigation area, to enable the delivery of the full 100,000 acre feet per annum of water for irrigation, the approximate location of which is also shown on the general map above referred to as "Exhibit D."

Apps: Merced County's surveyors

have asked permission of the Railroad Commission to establish highway crossings at grade over three points on the Santa Fe Railroad Company near Merced.

Dec. 755: An increase in rates to be charged by the East Bay Water Company for all classes of service in its territory were authorized by the Railroad Commission in a decision, October 11. The company is allowed to impose a surcharge of 10% upon all charges, the surcharge to be applied to all bills accruing after September 30th last. By this decision the company's revenues are to be increased in gross \$220,000.

The decision also imposes the following fee protection charges against the municipality treasuries of the cities named: Alameda, \$22,000; Albany, \$1,000; Berkeley, \$43,000; Emeryville, \$2,000; Oakland, \$105,000; Piedmont, \$5,000; Richmond, \$11,000; San Leandro, \$2,500; El Cerrito, \$308.

These charges were imposed July 1, 1918, and were suspended for a year because of the inability of the cities to finance them. They are applicable to the cities for the year beginning July 1, 1919. These charges were made by most of the cities with opposition on the ground that the cost should be collected in general rates upon all consumers and not from the public treasury, and it was also contended that municipal budget could not be arranged to finance these payments out of the public treasury. The Commission, however, holds that they are proper charges and must be made by the municipalities.

The application of the East Bay Company for increased rates was attacked by the East Bay Cities on the ground that economies of operation could be adopted, principally the elimination of pumping of underground supplies. The Commission finds that this economy was based upon the expectancy of ample rainfall, but it is decided that the necessities of the entire industrial activities of the east bay cities and the welfare of the population of approximately 400,000, are so dependent upon this water supply that it would be inadvisable for the East Bay Water Company to operate its system in any other manner than one which gives absolute assurance of sufficient water. For this reason the company is ordered to continue the operation of its pumps and is required to submit a monthly statement to the Commission showing the quantity of available impounded water, the draft upon sources of supply and the consumption.

Another point of objection on the part of the east bay cities was the payment of taxes upon the large water shed owned by the company. The Commission finds that as the large water shed area was procured by the predecessors of the present company, who acquired these lands upon urging of east bay municipalities, they could not be legally excluded from a rate basis nor could the company be forced, without hardship upon the utility, to sell them. The Commission finds that the gross revenue of the company from existing rates for the year July 1, 1919, to July 1, 1920, will be \$2,000,000 and that this revenue will be practically \$350,000 less than the annual charges sustained by the company in its testimony. The rates fixed for municipal

service will produce \$130,000 and the remaining \$220,000 is to be produced by the surcharge, which is 10 per cent of the present gross revenue.

The decision says that it is convinced from the showing made that it is necessary to at least temporarily increase the revenue of the East Bay Water Company, and that such increase should be made by imposing a percentage surcharge on all rates.

With slight readjustment, unimportant in detail, the decision sets out the rates of the company.

In keeping with the assurance of its representatives to the Railroad Commission, the members of Amalgamated Association No. 192 of the street and railway employees at a meeting this morning (October 11) in Oakland agreed to return to work on all Key Route lines, and by noon the great system that had been paralyzed by the strike for more than ten days, resumed its normal service.

The resumption of service was the direct result of intervention in the situation by the Railroad Commission on behalf of the public, whose interests, inconvenience and losses had been lost sight of in the conflict between the strikers and the Key Route Company. Never before has the Railroad Commission attempted conciliation between a public utility and its employees in a labor dispute, and it began this effort only when all ordinary means had been exhausted without success.

The Commission did not intervene in the sense of legal regulation, but wholly because it deemed the situation so acute that further conflicts and the presence of soldiers and a general strike loomed on the horizon, and the interests of the public would be swallowed up in a "fight to the finish" between the company and its men.

It is the first time in the regulation of California utilities that the Commission has represented unorganized public interests in this way. As a rule the Commission has declined to participate in disputes of this character, and has confined its duties entirely to the legal and administrative work of regulation of service and rates alone.

It is not likely that such a crisis would soon again appear or that the Commission would feel justified to similar action in another case less ominous.

In representing to the disputing company and its employees (who number nearly 1200) the demand for consideration of the public, the Commission directed the attention of the disputants away from each other and gave them a new angle from which to view conciliation. Recognizing this new view both sides met the Commission's efforts in good spirit and by progressive conferences, first with one side and then with the other, the Commission was finally able to arrange a joint meeting on Friday afternoon where the basis of agreement was reached. This was:

That the men return to work under the same status as of September 30th, when the strike began, and that all other points be left to a board of arbitration. Both parties agreed to abide by the award of the board of arbitration.

The status of September 30th was fixed by a contract between the company and the street car men's union, and the settlement restores these con-

tractual rights and obligations to both parties during the pendency of the arbitration.

The settlement ends a period of disorder in the city of Oakland, during which many lives were lost and many injuries done, and prevents the extension of the strike in other lines and eliminates all probability of any sort of military intervention to restore public order. In addition it brings the disputants before a tribunal which will adjust the causes of dispute judicially and with binding effect and, in the meantime, the public of Oakland, the most interested party in the whole affair, will enjoy its right of transportation in safety.

#### STATE LAND SETTLEMENT BOARD ASKS FOR LAND FOR EX-SERVICE MEN.

That fifty of the sixty-three tracts of land, varying in area from 4,000 to 12,000 acres, offered to the State Land Settlement Board in response to its invitations for offers some months ago are suited to settlement and would be selected by the 1,000 ex-service men who have already applied for farms, is the opinion of Dr. Elwood Mead, Chairman of the Board and Professor of Rural Institutions in the University of California.

It is impossible, however, according to Professor Mead, now to buy more than one or two tracts, since the Land Settlement Board's funds are restricted at the present time to the million dollars appropriated by the last legislature. "This will not go very far," declared Dr. Mead.

The lands offered to the Board are now not cultivated at all or are cultivated by tenants. "The benefits that would come to this State and the addition to its social and political strength from peopling these tracts with families wedded to the soil and making a good living as the settlers at Durham are doing, can scarcely be overstated. It would lessen the dangers of non-resident ownership, or tenantry and alien control of the land which now confront the State," said Professor Mead.

Chairman Mead states that it is a matter of regret that a year has to elapse before the bond issue of \$10,000,000 can be voted on. Already there are on file in the two offices of the State Land Settlement Board, at Durham and Berkeley, applications for farms from about 2,000 people, about half of these being from ex-service men.

#### UNITED STATES CIVIL SERVICE EXAMINATIONS.

Senior Structural Engineer, Grade 1 (Male), \$3,000 to \$4,000 a Year.  
Senior Structural Engineer, Grade 2 (Male), \$1,800 to \$2,700 a Year.  
Senior Mechanical Engineer, Grade 2 (Male), \$1,800 to \$2,700 a Year.  
Interstate Commerce Commissioner. November 11, 1919.  
Highway Engineer (Male), \$1,800-\$2,400 November 18, 1919.

Applicants should apply at once for Form 1312, stating the title of the examination desired to the Civil Service Commission, Washington, D. C., or Post Office, San Francisco.

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

Plans Being Prepared.  
APARTMENTS, ETC. Cost, \$—  
BURLINGAME, San Mateo Co., Cal.  
Burlingame Avenue.  
Two-story brick or concrete store and  
apartment building, 1 or 2 stores  
and 4 3-room apts.  
Owner—Dr. A. L. Offield and Harry L.  
Miller, Burlingame.  
Designers—Lange & Bergstrom, Mo-  
nadnock Bldg., San Francisco.

Ready for Figures Shortly.  
APARTMENTS Cost, \$5,000  
SAN FRANCISCO. S Jackson E of  
Powell Street.  
Three-story brick apartments.  
Owner—M. and S. Spiro and S. Heiman  
Architect—S. Heiman, 57 Post St., San  
Francisco.

Plans Being Prepared.  
APARTMENTS, ETC. Cost, \$50,000  
MODESTO, Stanislaus Co., Cal. 11th  
Street bet. "I" and "J" Sts.  
Three-story reinforced concrete stores  
and apartments or hotel.  
Owner—C. R. Tillson, 1421 "J" St., Mo-  
desto.  
Architect—Not Given.

Plans Being Figured.  
APARTMENTS Cost, \$30,000  
SAN FRANCISCO. SE O'Farrell and  
Octavia Streets.  
Three-story and basement frame  
apartments (18 2-room apts).  
Owner—Withheld.  
Architects—O'Brien Bros., 240 Mont-  
gomery St., San Francisco.

#### BANKS

Ready for Figures in About 30 Days.  
BANK BUILDING Cost, \$75,000  
HEALDSBURG, Sonoma Co., Cal. West  
Street near Powell.  
One-story brick bank building, 62x100.  
Owner—Healdsburg National Bank.  
Architect—Frédéric H. Meyer, Bank-  
ers' Invst. Bldg., San Francisco.

MERCED, Merced Co., Cal.—Novem-  
ber 25th is the date set by the County  
Supervisors at which time an election  
will be held for the formation of the  
Merced Irrigation District under which  
it is planned to place 173,420 acres  
under irrigation.

#### BONDS.

MADERA, Madera Co., Cal.—Bids  
will be received by the County Super-  
visors up to November 4th, 10 A. M.,  
for the purchase of the recently voted  
\$100,000 bond issue which will finance  
construction of a new high school  
building, plans for which have been  
completed by Architects Swartz &  
Swartz, Rowell Bldg., Fresno.

TRACY, San Joaquin Co., Cal.—The  
present grammar school being over-  
crowded the City School Trustees  
have decided to call an election to vote  
bonds with which to finance construc-  
tion of two new schools, one for the  
south and one for the west portion of  
the city.

The amount of the issue has not yet  
been determined, but immediate action  
is expected as it is the intention to  
have the structures completed for the  
first term in 1920.

SACRAMENTO, Cal.—State Treasur-  
er Richardson announced that \$4,000-  
000 worth of State bonds will be of-  
fered for sale by him on November 6.  
The sale will include \$1,000,000 worth  
of 4 per cent San Francisco harbor  
improvement bonds, and \$3,000,000  
worth of 4½ per cent highway bonds.  
The last Legislature passed an act  
permitting the sale of the harbor  
bonds at not more than 5 per cent dis-  
count.

PASCO, Wash.—Bonds of \$400,000  
have been voted in the Burbank Irriga-  
tion District, the money to be used  
in lining 18 miles of canals with con-  
crete, the installation of two addi-  
tional pumping units and other im-  
provements. Nine thousand five hun-  
dred acres are included in the district,  
a large part of which is already under  
development.

SAN MATEO, San Mateo Co., Cal.—  
The City Trustees have set November  
10th as the date to bond the city for  
\$438,000 for improvements as follows:  
Purchase of modern fire truck, \$14-  
000.  
Four circuit fire alarm system, \$24-  
000.

Purchase of the Peninsula Water  
Company's properties and the estab-  
lishment of a municipal water plant,  
\$400,000.

OKANOGAN, Wash.—Bonds of \$8-  
500,000 were voted at a recent election  
for improvements planned by the Meth-  
ow-Okanogan Reclamation District.  
The issue was approved by a vote of  
473 to 4. The proposition of levying  
a special assessment on the district  
for \$12,500 for preliminary extension  
was also carried. The proposed pro-  
ject has already been approved by the  
State Irrigation Commission.

WOODLAND, Yolo Co., Cal.—The  
County Supervisors have sold \$1,000-  
000 worth of county highway bonds to  
the Bank of Italy, who offered a  
premium of \$29,888.

HANFORD, Kings Co., Cal.—The  
School Trustees have set November  
4th, as the date to decide the question  
of issuing bonds of \$115,000 with  
which to finance construction of school  
improvements.

Two new buildings to cost \$45,000  
each are planned, the balance to be ex-  
pend on additions to the present

buildings. The new buildings will be  
one-story in height and will be of  
brick construction with a stucco ex-  
terior finish.

TURLOCK, Stanislaus Co., Cal.—The  
City Trustees have voted to call an  
election to decide the question of is-  
suing bonds of \$60,000 to finance con-  
struction of an extension to the pres-  
ent sewer system. The proposition to  
vote \$20,000 additional for a city hall  
was postponed to a later date.

LIVERMORE, Alameda Co., Cal.—  
The City Trustees are preparing to  
call an election to vote bonds of \$10-  
000 with which to purchase a fire en-  
gine and the installation of a modern  
fire alarm system. November 11th is  
the date for the election. Elmer G.  
Still is City Clerk.

LOS GATOS, Santa Clara Co., Cal.—  
November 7th is the date set by the  
City Board of Education to decide the  
question of issuing and selling bonds  
of \$60,000 with which to erect addi-  
tional buildings to the present gram-  
mar school.

MODESTO, Stanislaus Co., Cal.—The  
County Supervisors have sold the \$11-  
000 bond issue of the Mitchell School  
District, which will finance construc-  
tion of a new school building.

HAYWARD, Alameda Co., Cal.—The  
City Trustees have postponed the pro-  
posed water and sewer bond election  
for \$55,000 from November 11th to  
November 18th, owing to the 11th  
being Armistice Day.

MODESTO, Stanislaus Co., Cal.—  
Bids will be received by the County  
Supervisors, H. Benson, County Clerk,  
up to October 30th, 10 A. M., for the  
purchase of the \$6,000 bond issue of  
the Union School District, proceeds of  
which will be used to finance con-  
struction of new schools.

#### CHURCHES

Plans to be Prepared.  
CHURCH Cost, \$60,000  
BAKERSFIELD, Kern Co., Cal.  
Fireproof church.  
Owner—The Christian Church of  
Bakersfield. Rev. Frank W. Zook,  
1510 "H" St., Bakersfield.  
Architect—Not Given.

Figures Being Taken For Heating  
System.  
CHURCH Cost, \$60,000  
VALLEJO, Solano Co., Cal. Virginia  
Street.  
Brick Church Building.  
Owner—Methodist Episcopal Church  
of Vallejo.

Architect—Willson J. Wythe, Central  
Bank Bldg., Oakland.  
Figures for the general construction  
are under advisement and a contract  
will be awarded as soon as the ap-

proval is sent from the East. Figures are now being taken on the heating system.

**Plans Complete and Awaiting Approval**  
**CHURCH** Cost, \$25,000  
**STOCKTON**, San Joaquin Co., Cal.  
Brick on concrete church.  
Owner—Clay Street Methodist Church.  
Architects—Wright & Sala, Bank of Italy Bldg., Stockton.

**NOTE**—The building committee consists of Walter Archibald, chairman; C. C. Henderson, C. N. Barnett, Charles Boudan, J. T. Moore and Daniel Warner.

**Plans Being Prepared.**  
**CHURCH** Cost, \$45,000  
**CALIXICO**, Imperial Co., Cal.  
Frame and stucco church (50x112).  
Owner—First M. E. Church of Calixico.  
Architect—Arthur G. Lindley, 905 Wright & Callender Bldg., Los Angeles.

**Plans Being Prepared.**  
**CHURCH** Cost, \$75,000  
**TAFT**, Kern Co., Cal.  
Two-story and basement frame and plaster church building and community center building.  
Owner—First Methodist Episcopal Church of Taft.  
Architect—Arthur G. Lindley, 904 Wright and Callender Building, Los Angeles.

## COURTHOUSES

**MARTINEZ**, Contra Costa Co., Cal.—The following bids received by the County Supervisors, J. H. Wells, County Clerk, for painting the County Courthouse have been taken under advisement:

I. R. Kissell.....	\$2,700
D. Zelinsky & Sons.....	2,682
Burdon & Kirkhouse.....	2,475
A. R. Quandt & Sons.....	2,650

**MARTINEZ**, Contra Costa Co., Cal.—The Supervisors have awarded a contract to G. L. Tyler, of Pittsburg, for painting the roof of the County Courthouse, he being the only bidder at \$1,140.

**HOLLISTER**, San Benito Co., Cal.—The County Supervisors, Elmer Dowdy, County Clerk has awarded a contract to W. I. McInyolds for the improvement of the Hollister and Cienega Road from Engineer's Survey Station 0100 to Engineer's Survey Station 127-00 in Supervisor District No. 3.

## FACTORIES AND WAREHOUSES.

**Contract Awarded. Construction to Start Shortly.**  
**WAREHOUSE** Cost, \$—  
**CROCKETT**, Contra Costa Co., Cal.  
Two-story steel and concrete warehouse.  
Owner—California & Hawaiian Sugar Refining Co., 230 California St., San Francisco, and Crockett.  
Architect—Eng. Dept. of Owner.  
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

**Plans to be Prepared.**  
**FACTORY** Cost, \$100,000  
**EMERYVILLE**, Alameda Co., Cal.  
Two-story brick factory building.

Owner—American Rubber Co., 356 Market St., San Francisco.  
Architect—Washington J. Miller, 417 Market St., San Francisco.

**COBURN**, Monterey Co., Cal.—H. B. Douglas, Kirk Bldg., King City, has been awarded the contract by the Switzer-Meyenberg Co., of Coburn, for the erection of the following additions at the company's plant:  
Boiler room, 50x60.  
Refrigerating room, 28x30.  
Manufacturing room, 50x75.

In addition to the above improvements the erection of a lavatory and office building is also planned.

The contract for the sewer system in connection with the improvements has been awarded to Jones & Drucker of San Francisco. More than 7600 feet of eight inch pipe will be installed.

**Plans Being Prepared.**  
**WAREHOUSE** Cost, \$15,000  
**NEAR SAN JOSE.**  
One-story reinforced concrete warehouse.  
Owner—Withheld.  
Contractor—Louis Theo. Lenzen, 110 S. Second St., San Jose.

**Plans Being Prepared.**  
**CANNING PLANT** Cost, \$250,000  
**SACRAMENTO**, Cal.  
Packing and canning plant.  
Owner—Withheld.  
Engineers and Architects—Wallace & Bush, Bank of San Jose Bldg., San Jose.

**Segregated Figures Being Taken.**  
**ADDITION** Cost, \$60,000.  
**SAN FRANCISCO.** W Capp 100 S 16th.  
Six-story brick addition for warehouse, 50x105.  
Owner—Lachman Bros., Furniture Co., Mission and 16th Sts., San Francisco.  
Architect—S. Heiman, 57 Post St., San Francisco.  
**Brick work** awarded to H. E. Drake for \$9,000.

**MODESTO**, Stanislaus Co., Cal.—Bids will be received by the County Supervisors up to October 30th, 10 A. M., for the construction of storage warehouse on the County Hospital grounds. The building will be galvanized iron and will house road department tools, machinery and supplies and will cover an area of 60 by 100 feet.

**GUSTINE**, Merced Co., Cal.—The Cannon-Phillips Co. of North Sacramento, has been awarded a contract by the Carnation Milk Products Co., Seattle, Wash., for furnishing and delivering tile for the proposed \$250,000 milk plant planned by the Carnation Company at Gustine, Merced Co. The building will be of reinforced concrete construction. The tile contract awarded calls for about 100,000 tons. W. N. MacBriar is Chief Engineer for the Carnation Company and maintains offices with the company in Seattle.

**Plans Being Prepared.**  
**MANUFACTURING PLANT** Cost, \$100,000.  
**MODESTO**, Stanislaus Co., Cal. Tenth Street.  
Milk products manufacturing plant.  
Owner—Milk Producers Association of

Central, California (Cnas. Geer, President, Modesto.)

**OAKLAND**, Cal.—H. E. Woolner, 149 California Street, San Francisco, has returned from the Los Angeles offices of the Western Milling Company and states that immediate construction of the proposed plant in Oakland is assured.

Sketches for the first unit of the plant, which will cost about \$500,000, have been submitted by engineers and the selection of one will be made in the near future.

The proposed plant will be located on a recently purchased five-acre tract on the Tidal Canal in East Oakland. Construction will be mostly of reinforced concrete.

**Plans Complete. To be Done by Sub-Contracts.**  
**WAREHOUSE** Cost, \$—  
**LOS ANGELES**, Cal. Hewitt Street near Palmetto Street.  
Three-story and basement reinforced concrete warehouse, 70x140.  
Owner—Barker Bros. Furniture Co.  
Architect—W. J. Saunders, 229 Laughlin Bldg., Los Angeles.

**Bids Under Advisement. Bids For Heating and Ventilating Being Taken.**  
**FACTORY** Cost, \$40,000  
**PORTLAND**, Ore. York and Guild Sts.  
Two-story brick and concrete factory, 100x150  
Owner—Pettit Feather & Bed Co., Portland, Ore.  
Architect F. Manson White, Chamber of Commerce Bldg., Portland.

**LONG BEACH**, Los Angeles Co., Cal.—The California & Mexican Steamship Co. contemplates building a warehouse to cost \$250,000 near the western end of the Long Beach Shipbuilding Company's plant. The first freight steamer for the company is now being built at the Long Beach shipyard. John F. Craig, C. A. Wiley and C. F. Van de Water of Long Beach; R. B. Sawney of San Francisco, and State Senator J. A. Rominger are directors of the steamship company.

**Contract Awarded.**  
**WAREHOUSE** Cost, \$60,000  
**BERKELEY**, Alameda Co., Cal. Berkeley Way E of Shattuck Avenue.  
Three-story reinforced concrete warehouse.  
Owner—Roy O. Long, 2146 Shattuck Ave., Berkeley.  
Designer & Contractor—Nelson & Forsythe, 565 16th St., Oakland.

**Contract Awarded.**  
**FACTORY BLDGS.** Cost, \$—  
**SAN FRANCISCO**. Twenty-third and Kansas Streets.  
Two steel and mill construction factory buildings; one four stories, 182x36 and the other 3 stories, 100x34.  
Owner—Bass-Hueter Paint Co.  
Designer & Contractor—The Foundation Co., 58 Sutter Street, San Francisco.

**MARTINEZ**, Contra Costa Co., Cal.—A contract covering \$200,153 worth of improvements for the Associated Oil Company has been filed with County Recorder M. H. Hurley at Martinez. The contractor is the Lacy Construc-

on Co., Claus Sprockels Bldg., San Francisco, whose contract covers the following units of the proposed improvements planned by the company which will total \$2,500,000.  
 8 long stills; 1-600 barrel agitator; 2 00 barrel agitators; 5-500 barrel tanks; 6-1000 barrel tanks; 6-2000 barrel tanks; 4-5000 barrel tanks; 3-10,000 barrel tanks; 1-25,000 barrel tank; 4-00 barrel watertop tanks; 2-10,000 barrel watertop tanks; 1-250 barrel tank; 1-100 barrel lye tank; 2-4 compartment condensor box; 1-5 compartment condensor boxes; 1-8 compartment condensor boxes.  
 Construction work will be under the pervision of Jos. Marwick.

## FIRE HOUSES AND JAILS

Contract Awarded.  
 FIRE HOUSE, ETC. Cost, \$31,250  
 REDWOOD CITY, San Mateo Co., Cal. Two-story reinforced concrete fire house and memorial hall.  
 Owner—City of Redwood City.  
 Architect—J. R. Miller, Lick Bldg., San Francisco.  
 Contractor—Fred Warden, 354 Sussex St., San Francisco.

CHICO, Butte Co., Cal.—Geo. D. Huditt, California Fruit Bldg., Sacramento, submitted the only bid to the City Trustees for altering the two-story brick fire house at Chico, from plans prepared by Architect Chester ole, Waterlund-Breslau Bldg., Chico he bid was \$2,700 and covers common ick and carpentry work.

Contract Awarded.  
 GARAGE Cost, \$6,000  
 AN FRANCISCO. Hoff Ave. near 16th Street.  
 ne-story reinforced concrete garage wner—Withheld.  
 Architect—Arthur S. Bugbee, 316 Sharon Bldg., San Francisco.  
 Contractor—Adam Arras, 65 Hoff Ave., San Francisco.

Plans Being Prepared.  
 GARAGE Cost, \$50,000  
 AN FRANCISCO. Location Withheld. ne-story and basement reinforced concrete garage.  
 wner—Withheld.  
 Architect—Arthur S. Bugbee, Sharon Bldg., San Francisco.

## FLATS

Contract Awarded.  
 FRAME FLATS Cost, \$12,500  
 AN FRANCISCO. S Green Street W of Powell Street.  
 Two-story and basement frame (4) flats, 2 4-room and 2 5-room flats.  
 Owner—Fred Marra.  
 Architect—C. Fantoni, 550 Montgomery St., San Francisco.  
 Contractor—G. B. Pasqualetti, 32 Harwood St., San Francisco.

## GARAGES

To be Done by Day Labor.  
 GARAGE Cost, \$50,000  
 SEATTLE, Wash. NE 7th Avenue and Cherry Street.  
 Three-story and basement brick garage, 120x60.  
 Owner—J. W. O'Herron, 201 Central Bldg., Seattle, Wash.

Architect—Warran H. Milner, Haight Bldg., Seattle, Wash.

Plans Being Figured.  
 GARAGE Cost, \$34,000  
 PORTLAND, Ore.  
 Two-story and basement brick and concrete garage, 100x100.  
 Owner—Portland Lodge of Elks, Portland, Oregon.  
 Architects—Houghtaling & Dougan, Henry Bldg., Portland, Oregon.

SAN FRANCISCO.—Architect S. Heiman, 57 Post Street, has awarded a contract to John Spargo, 240 Montgomery Street, at \$1,850 for the concrete work in connection with the construction of a one-story brick auto repair shop on the north side of Post street west of Leavenworth for Goldberg-Bowen Co.

SAN FRANCISCO.—Following bids were received by the Board of Public Works for the construction of a garage building in connection with the alterations at the Central Fire Alarm Station:  
 Wm. Bruce, \$4,300; Item A, \$100; Item B, \$135; Item C, \$150; Item D, \$180.  
 Alfred H. Vogt, \$3,343; (A) \$269; (B) \$385; (C) \$360; (D) \$397.

RENO, Nevada.—Bids will be received by Architects Ferris & Malsbary, Colonial Hotel, Reno, Nevada, up to November 15th, 12 M., for the construction of a garage building on the county jail grounds in Reno for the county of Washoe, of which E. H. Beemer is County Clerk.

Contract Awarded.  
 GARAGE Cost, \$3,500  
 STOCKTON, San Joaquin Co., Cal. North Hunter St., bet. Rose and Vine.  
 One-story concrete (blocks) public garage.  
 Owner—Miss Mary Heffernan, Stockton  
 Architect—Not Given.  
 Contractors—Thornton & Fermo, Stockton.

Contract Awarded.  
 GARAGE Cost, \$10,000  
 SAN MATEO COUNTY.  
 One-story frame and plaster garage.  
 Owner—J. W. Lowe.  
 Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.  
 Contractor—Chas. Peterson, San Mateo

## GOVERNMENT WORK AND SUPPLIES

C. L. Wold, 40 Montgomery Street, San Francisco, has been awarded the contract for the construction of the U. S. Hospital Buildings at Pearl Harbor. The bid was: Item (1) \$363,889, 270 days; (2) \$314,104; (3) \$51,500; (4) \$20,547.

FRESNO. Fresno Co., Cal.—J. W. Roberts, Superintendent of Public Buildings, with offices in the Post Office Bldg., San Francisco, is in Fresno looking over sites for the proposed \$750,000 post office building for which a bill asking an appropriation for that amount is being considered by Congress.

## HALL AND SOCIETY BUILDINGS.

Plans Being Prepared.  
 LODGE BLDG. Cost, \$—  
 PHOENIX, Ariz.  
 Fireproof lodge building, 124x125. (In the style of the ancient Persian temples).  
 Owner—El Zaribah Temple, Phoenix.  
 Architect—Lescher & Kibbey, Phoenix, Ariz.

## HOSPITALS

VENTURA. Ventura Co., Cal.—Edward C. English, 508-10 Citizens National Bank Bldg., Los Angeles, submitted the lowest bid at \$99,000 and will probably be awarded the general contract for the erection of the proposed Ventura county hospital in accordance with plans and specifications by Architect A. C. Martin, 430 Higgins Bldg., Los Angeles. Bids were taken only for the general work which does not include plumbing, heating, plastering, interior finish, painting, elevator and dumb waiter, marble and tile work, electric wiring and fixtures. Other bids received were: T. E. Hill & Co., Los Angeles, \$104,272; J. M. McDonald, Los Angeles, \$105,800; Los Angeles Planing Mill Co., \$109,990; C. J. Kubach Co., Los Angeles, \$104,272.

Contract Awarded. Ready to Start Work.  
 ADDITIONS Cost, \$73,850  
 WEIMAR, Placer Co., Cal. Near Weimar.  
 Additions to tuberculosis sanatorium.  
 Owner—Counties of Amador, Colusa, Contra Costa, El Dorado, Placer, Plumas, Sacramento, Sutter, Tuolumne, Yolo and Yuba.  
 Architect—R. A. Herold and J. E. Stanton, Forum Bldg., Sacramento.  
 Contractor—Wm. C. Keating, Forum Bldg., Sacramento.

Plans Being Prepared.  
 ADDITION Cost, \$75,000  
 SEATTLE, Wash.  
 Two-story brick addition for Children's Infirmary.  
 Owner—Seattle Children's Orthopedic Hospital, Seattle, Wash.  
 Architect—A. H. Albertson, 725 Henry Bldg., Seattle, Wash.

OAKLAND, Cal.—Bids will be received by County Clerk Geo. E. Gross, up to November 3rd, 10 A. M., for the alteration and repairs to certain buildings at the Alameda County Hospital near San Leandro. Work consists of moving and altering two tubercular ward buildings.  
 Plans were prepared by Architect H. H. Meyers, Kohl Bldg., San Francisco.

## HOTELS

Plans Being Prepared.  
 HOTEL, ETC. Cost, \$600,000  
 SAN FRANCISCO. S Market bet. New Montgomery and Annie Streets.  
 Nine-story Class "A" addition to hotel, alter for candy and drug stores; wine cellar into candy factory; alter corner of Jessie and Annie streets into theatre, and extensive alterations to interior.  
 Owner—Palace Hotel. (D. M. Linnard et al). Mr. Manwaring, Resident Manager.

Architect—G. W. Kelham, Sharon Bldg., San Francisco.

Mr. Manwaring started Tuesday that construction would start in the immediate future.

#### Plans Completed.

**HOTEL** Cost, \$82,000  
HEPPNER, Oregon.  
Three-story and basement brick hotel (60x126)

Owner—Heppner Hotel Co., C. L. Sweek, Secretary, Heppner, Ore.  
Architect—John V. Bonnes, Chamber of Commerce Bldg., Portland.

#### Plans Being Figured.

**HOTEL** Cost, \$65,000  
LOS BANOS, Merced Co., Cal.  
Two-story hollow tile hotel (70 rooms).  
Owner—Withheld.  
Architect—C. H. Skidmore, New Call Bldg., San Francisco.

#### Plans Being Prepared.

**HOTEL** Cost, \$50,000  
UNION, Oregon.  
Two-story brick hotel (40 rooms and 20 bath rooms).  
Owner—Withheld.  
Architects—Tourtellotte & Hummel, McKay Bldg., Portland.

### POWER PLANTS

BISHOP, Inyo Co., Cal.—Preliminary work for the Southern Sierras Power Company's new plant on Bishop creek has progressed this season. Grading for a 51-in. flow line 14,000 ft. long from Sabrina to the proposed power plant site has been started. Another flow line 6 miles long from South lake, or Hillsdale reservoir will be built.

### PUBLIC BUILDINGS

FRESNO, Fresno Co., Cal.—Bids will be received by City Clerk Chas. Dillon, up to November 3rd, 9 P. M., for the construction of a garage and barn on Lots 27, 28 and 29 in Block 40, City of Fresno. Plans may be had from the City Clerk.

SAN ANDREAS, Calaveras Co., Cal.—The Supervisors, A. W. Poe, County Clerk, has awarded a contract to M. J. Hertzog of San Andreas for the erection of a frame laundry building at the County Hospital Grounds, he being the only bidder at \$1,810.

SAN MATEO, San Mateo Co., Cal.—Only one bid was received by the City Trustees for painting, tinting, etc., on the City Hall Building and this was rejected. Specifications will be revised and new bids called within one week.

FRESNO, Fresno Co., Cal.—Building Inspector N. E. James has presented plans and specifications to the County Supervisors for the construction of a public comfort station in the Court-house Square. The building is estimated to cost about \$25,000 and its erection is being backed by the Fresno Chamber of Commerce.

SACRAMENTO, Cal.—The following contracts have been awarded for work in connection with the State Building to be erected in the San Francisco Civic Center:

Excavation work to Maurice Dillon,

180 Jessie St., San Francisco, at \$26,500; 75 days.

Erection of Structural Steel and Iron to C. A. Blume, San Francisco, at \$14,250; 35 days.

Plans were prepared by Architects Bliss & Faville Bldg., San Francisco.

#### Plans to be Prepared.

MEMORIAL HALL Cost, \$60,000  
MARTINEZ, Contra Costa Co., Cal.  
Fireproof Memorial Hall.  
Owner—Henry McNamara Post, American Legion, Martinez, Cal.  
Architect—Not Yet Selected.

Building Committee is composed of A. A. McMahon, Louis Bonzagni and Rex L. Boyer.

SACRAMENTO, Cal.—The Advisory Board of the State Department of Engineering have approved the recommendations of State Architect George B. McDougall for the construction of a superintendent's residence at Whittier school, to cost \$12,500; laundry and tailor shop at Whittier, \$12,000; repairs at Chico Normal School, \$6,000; repairs at Fresno Normal School, \$5,700.

### RESIDENCES.

#### Plans Being Prepared.

RESIDENCE Cost, \$7,500  
SAN FRANCISCO, Sea Cliff.  
Italian villa residence.  
Owner—S. A. Born Bldg. Co.  
Architect—C. H. Skidmore, Call-Post Bldg., San Francisco.

#### Plans Being Prepared.

RESIDENCE Cost, \$15,000  
BURLINGAME, San Mateo Co., Cal.  
Two-story frame and plaster residence and garage.  
Owner—Withheld.  
Architect—C. H. Skidmore, Call-Post Bldg., San Francisco.

#### Plans Being Prepared.

RANCH HOUSE Cost, \$—  
LOVELOCK, Nevada.  
One-story frame ranch house.  
Owner—Withheld.  
Architect—C. H. Skidmore, Call-Post Bldg., San Francisco.

#### Contract Awarded.

BUNKHOUSES Cost, \$50,000  
KERN COUNTY, CAL. In San Joaquin Valley from Bakersfield north.  
Twelve bunkhouses. (Concrete floors, hollow tile walls, corrugated iron roofs.)

Owner—Santa Fe Railway Co.  
Architect—Engineering Department of Owners.  
Contractor—Yard & Hichborn, Trust & Savings Bldg., Los Angeles.

#### Plans Being Prepared.

RESIDENCE Cost, \$—  
OAK KNOLL, Los Angeles Co., Cal. 12 acre site.  
Two-story and basement brick residence (26 rooms and 9 bathrooms, also garage with living apartments, gardner's cottage and out-houses.)  
Owner—Keith Spalding.  
Architect—Myron Hunt, 1017 Hibernian Bldg., Los Angeles.

#### To be Done by Days Work.

FRAME RESIDENCES Cost, \$—  
COLUSA, Colusa Co., Cal. On Harrington Property.

Four frame residences (5 and 7 rooms each).

Owner—Rosenberg Bros. & Co., 331 California St., San Francisco.  
Superintendent—Hugh Brauntton, Care Owner.

#### Plans Being Prepared.

RESIDENCE Cost, \$15,000  
FRESNO, Fresno Co., Cal. Lucerne & Pine Streets.  
Residence (11 rooms), swimming pool, tennis courts, etc.  
Owner—Lee Blasingame, Fresno.  
Architects—Coates & Travers, Rowell Bldg., Fresno.  
Interior finish will be of hardwood throughout.

#### Work Started by Day Labor.

RESIDENCE Cost, \$10,000  
SANTA ROSA, Sonoma Co., Cal. On highway 1 mile west of Bellevue stores.  
Two-story frame and plaster residence (10 rooms).  
Owner—A. Arnold, Santa Rosa.  
Architect—Not Given.

#### Plans Prepared.

RESIDENCE Cost, \$16,000  
LOS ANGELES, No. 7205 Hollywood Blvd.  
Two-story holly tile residence, 10 rooms and 3 bathrooms.  
Owner—Col. D. W. Longwell, 1807 North Wilton Place, Los Angeles.  
Architect—E. P. Parcher, 6723 Hollywood Blvd., Los Angeles.

#### General Contract Awarded.

RESIDENCE Cost, \$15,000  
LOS ANGELES, Cal. Wilshire Heights.  
Two-story and basement hollow tile and stucco residence, 8 rooms.  
Owner—S. H. Stearn.  
Architect—Wm. Curlett & Son, 518 Merchants National Bank Building, Los Angeles.  
Contractor—Jay B. Harris, 247 Benton Way, Los Angeles.

#### Plans Being Figured.

RESIDENCE Cost, \$25,000  
SAN FRANCISCO, Laurel Avenue near Sunset Blvd.  
Two-story and basement reinforced concrete and frame residence and garage (12 rooms and 3 bathrooms.)  
Owner—Otto Bowman.  
Architect—John J. Frauenfelder, 1116 Strong Bldg., Los Angeles.

Sub-Figures Being Taken. To be Done by Days Labor.

DWELLING Cost, \$6,000  
SAN FRANCISCO, E Seventeenth Ave 250 S Anza.  
Two-story and basement frame dwelling (7 rooms).  
Owner—W. Fisher.  
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Ready for Figures in About a Week.

COTTAGE Cost, \$3,500  
NEAR SAN JOSE.  
One-story frame cottage.  
Owner—L. Decosso.  
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

#### Plans Being Prepared.

RESIDENCES Cost, \$3,500 each  
SAN JOSE, Santa Clara Co., Cal.  
Six frame residences.



Owner—A Construction Co., Name Withheld.  
 Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.  
 This will be a starter for about 50 similar buildings to be built for sale.

Plans Being Prepared.  
 RESIDENCE Cost, \$60,000  
 SAN FRANCISCO. Western Addition. Two-story and basement reinforced concrete and frame residence (12 rooms, 4 bathrooms and basement garage).  
 Owner—Withheld.  
 Architect—Louis M. Upton, 451 Montgomery St., San Francisco.

Plans Being Prepared.  
 ALTERATIONS Cost, \$10,000  
 SAN JOSE, Santa Clara Co., Cal. Alterations for three residences.  
 Owner—Withheld.  
 Architect—Louis Theo. Lenzen, 110 S. Second St., San Jose.

Plans for one of the buildings will be ready for figures this week.  
 Bid in and Under Advertisment.  
 COTTAGE Cost, \$6,000  
 SAN JOSE, Santa Clara Co., Cal. Cleaves Tract.  
 One-story 6-room cottage.  
 Owner—J. Brown.  
 Architect—Louis Theo. Lenzen, 110 S. Second St., San Jose.

Plans Being Prepared. Ready for Figures in Two Weeks.  
 RESIDENCE Cost, \$5,000  
 SAN JOSE, Santa Clara Co., Cal. 7th and San Fernando Sts.  
 Two-story frame residence.  
 Owner—Edward Gilman.  
 Architect—Warren Skillings, Garden City Bank Bldg., San Jose.

Contract Awarded.  
 RESIDENCE Cost, \$5,950  
 SAN JOSE, Santa Clara Co., Cal. Moore St., bet. Fremont and Randall Sts.  
 One and one-half-story 8-room frame residence.  
 Owner—Douglas Sims.  
 Architects—Wolfe & Higgins, Auzeais Bldg., San Jose.  
 Contractor—J. E. Perkins, 1052 E. Santa Clara St., San Jose.  
 Work just starting.

Plans Being Prepared.  
 RESIDENCES Cost, \$3,500 to \$7,000 each.  
 SAN JOSE and VICINITY.  
 Five frame residences.  
 Owners—Various.  
 Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Contract Awarded.  
 RESIDENCE Cost, \$5,500  
 SAN JOSE, Santa Clara Co., Cal. Yosemite and Filman Sts., Hanchett Tract.  
 One-story 5-room frame residence.  
 Owner—G. P. Nelson.  
 Architects—Wolfe & Higgins, Auzeais Bldg., San Jose.  
 Architect—John F. Dowle, — Race St., San Jose.

Plans Being Prepared  
 BUNGALOWS Cost, \$1000 each  
 SAN JOSE, Santa Clara Co., Cal.  
 Four frame bungalows.  
 Owner—Withheld

Architects—Binder & Curtis, Binder Bldg., San Jose.  
 Bungalows to be built for sale.

Contract Awarded.  
 RESIDENCE Cost, \$5,200  
 SAN JOSE, Santa Clara Co., Cal. Fremont and Alameda Sts., San Jose.  
 One-story five-room frame residence.  
 Owner—L. B. Dugdale.  
 Architects—Binder & Curtis, Binder Bldg., San Jose.  
 Contractor—A. K. Burkett, 161 N-16th St., San Jose.

Plans Being Figured. Bids Close Wednesday.  
 RESIDENCE Cost, \$5,000  
 SAN JOSE, Santa Clara Co., Cal. 12th and Virginia Sts.  
 One-story 6-room frame residence.  
 Owner—Withheld.

Architects—Binder & Curtis, Binder Bldg., San Jose.  
 SPECIFICATIONS

Exterior Finish, resawed redwood; Roof, shingles; Floors, hardwood.

Plans Being Prepared.  
 FRAME DWELLINGS Cost, \$—  
 SUSANVILLE, Lassen Co., Cal. Forty or fifty one-story 5-room frame dwellings.  
 Owner—R. H. Hovey of the Fruit Growers Supply Co. of Susanville, 1047 Monadnock Bldg., San Francisco.

Architect—Not Given.  
 Construction will start in about two weeks and will be done by days labor. Sub-figures will be taken by Mr. Hovey.

To be Done by Day Labor.  
 RESIDENCES Cost, \$4,000 to \$8,000 each.  
 SEATTLE, Wash. Mt. Baker Park. Nineteen one and two-story frame and plaster residences.  
 Owners & Designers—Matheson Bros. and Newcomb, Lyon Bldg., Seattle.

SALINAS, Monterey Co., Cal.—Following bids were received by the County Supervisors for the erection of the superintendent's cottage at the County Hospital:  
 J. M. Chaney.....\$2,975  
 J. H. Danforth.....3,175  
 De Witt Appleton.....3,200  
 Contract awarded to low bidder.

Plans Being Figured.  
 RESIDENCE Cost, \$7,000  
 OAKLAND, Alameda Co., Cal. Mandana Boulevard.  
 Two-story frame residence (8 rooms and basement garage).  
 Owner—Chas. Gross.  
 Architect—Chester H. Miller, Call Bldg., San Francisco.

Plans Being Prepared.  
 BUNGALOWS Cost, \$7,000 each  
 SAN FRANCISCO. St. Francis Wood. Two one-story frame bungalows and garages (5 rooms each).  
 Owner—Gardens Homes Co.  
 Architect—H. H. Guttererson, 275 Post, San Francisco.

Plans Being Prepared.  
 RESIDENCE Cost, \$12,000  
 SAN FRANCISCO. Near Municipal Golf Links.

One-story frame residence, 45x50.  
 Owner—Withheld.  
 Architect—Chas. H. Skidmore, New Call Bldg., San Francisco.

## SCHOOLS

### MODESTO SCHOOL WORK.

MODESTO, Stanislaus Co., Cal.—The Modesto City Board of Education has selected Architect J. J. Donovan, Perry Bldg., Oakland, to handle the improvements under the recently voted \$30,000 school bond issue.

A high school building costing costing \$165,000 is planned while the balance of the funds will be used in constructing additions to the present grammar school buildings.

The first work to be undertaken is a cafeteria wing for the high school building containing three rooms. It is thought that work on this addition will be started within three weeks.

BERKELEY, Cal.—Mealey & Collins, 180 Jessie Street, San Francisco, have been awarded the contract for certain Brick Work and Artificial Stone Work for the construction of alterations and additions at the Edison School, situated on the south side of Oregon street, between Grant street and McGee avenue, in accordance with plans and specifications by Architect W. H. Ratcliff, First National Bank Bldg., Berkeley. Their bid was \$17,245.

NEVADA CITY, Nevada Co., Cal.—Bids will be received by G. J. Rector, Secretary of the Nevada City Board of Education, up to October 27th, 8 P. M., for the construction of a floor and the erection of board finishing walls in the basement of the high school building and other work for fitting the quarters as a gymnasium.

S. W. Marsh is President of the Board of Education.

Plans Being Prepared.  
 SCHOOL Cost, \$35,000  
 PILOT ROCK, Oregon. Two-story brick and tile school (8 rooms and auditorium).  
 Owner—Pilot Rock School District.  
 Architects—Tourtelotte & Hummel, McKay Bldg., Portland, Ore.

Commissioned to Prepare Plans.  
 SCHOOLS Cost, \$120,000  
 ELK GROVE, Sacramento Co., Cal. Site Not Selected.  
 High school buildings.  
 Owner—Elk Grove High School District.  
 Architect—Geo. C. Sellon, 1005 8th St., Sacramento.

A bond election will be called shortly

## STORES AND OFFICES

Ready for Figures This Week.  
 ALTERATIONS Cost, \$—  
 SAN FRANCISCO. N Market Street near Stockton.  
 Alteration of stores for offices of Western Union.

Owner—Bankers Investment Co.  
 Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.

To be Done by Days Work. Sub-figures Being Taken.  
 ALTERATIONS Cost, \$—  
 SAN JOSE, Santa Clara Co., Cal. South

First St., bet. San Antonio and San Carlos.  
Remodeling front and new office fixtures on 1st floor.  
Owner—Gus Wendt & Son.  
Architect—Louis Theo. Lenzen, 110 S. Second St., San Jose.  
Superintendent—H. A. Bridges, 725 S. 7th St., San Jose.

#### Sketches Being Prepared.

**ALTERATIONS** Cost, \$—  
**SAN FRANCISCO.** NW First Avenue and Geary Street.  
Alter brick building into auto sales rooms.

Owner—Zellerbach-Levison Co., 1514 California St., San Francisco.  
Architect—Not Given.

One store has been leased to a firm in the auto business and as soon as tenants for the balance of the building are secured, construction will be started.

**Plans Being Prepared.**  
**AUTO SALES BLDG.** Cost, \$30,000  
**SAN FRANCISCO.** S Jackson near Van Ness Avenue.

One-story reinforced concrete auto sales building.  
Owner—MacDonald & Kahn.  
Architects & Contractors—MacDonald & Kahn, Rialto Bldg., San Francisco.

**Taking Figures for Terra Cotta Work.**  
**DEPARTMENT STORE CO.** Cost, \$300,000  
**LOS ANGELES, Cal.** NE Sixth and Broadway.

Six-story Class "A" department store building.  
Owner—F. B. Silverwood.  
Architects—Walker & Eisen, 1402 Hi-bernian Bldg., Los Angeles.

**Taking Figures for Terra Cotta Work.**  
**DEPT. STORE.** Cost, \$100,000  
**MODESTO, Stanislaus Co., Cal.** Tenth Street, bet. "K" and "L" Sts.  
Two-story and basement reinforced concrete and brick apartment store.  
Owner—The Thompson Co.  
Architects—Walker & Eisen 1402 Hi-bernian Bldg., Los Angeles.

**Contract Awarded.**  
**ALTERATIONS** Cost, \$9,000  
**PALO ALTO, Santa Clara Co., Cal.**  
Extensive alterations to store (new store fronts, interior decorations, fixtures, etc.)  
Owner—Roos Bros.  
Architect—Bernard J. Joseph, Call Bldg., San Francisco.  
Contractor—Chas. Baker, Palo Alto.

**MODESTO, Stanislaus Co., Cal.**—The Stanislaus County Board of Trade is considering the erection of a \$10,000 building at the northwest corner of Ninth and I streets for their offices. If a satisfactory lease can be secured the erection of a building is assured.

John C. Cunco and G. T. McCasbe, Secretary of the Board of Trade, have been instructed to secure details of a lease and seek the co-operation of the County Supervisors in the proposed building. A structure 40 by 60 feet is planned.

**Plans Being Prepared. Ready for Figures Next Week.**  
**STORE BLDG.** Cost, \$—  
**VALLEJO, Solano Co., Cal.**  
One-story reinforced concrete store

building (strong enough to carry 5 stories).  
Owner—Harry Handley.  
Architect—Bernard J. Joseph, Call Bldg., San Francisco.  
Plans were originally made for a 5-story apartment building, but only one story will be erected at this time.

**Ready for Figures in About a Week.**  
**STORE BLDG.** Cost, \$30,000  
**SAN FRANCISCO.** S. Bush St., bet. Stockton and Powell Streets.  
One-story reinforced concrete store building.  
Owner—Withheld.  
Architect—Edward T. Poulkes, Crocker Bldg., San Francisco.

**Site Purchased. Plans to be Prepared.**  
**MERCANTILE BLDG.** Cost, \$—  
**SACRAMENTO, Cal.** SE 11th and "J" Streets.  
Eight-story reinforced concrete mercantile building, 40x80.  
Owner—C. J. Christensen, 2231 "I" St., Sacramento.  
Architect—Not Yet Selected.

**Plans Being Revised for Larger Building.**  
**BUSINESS STRUCTURE** Cost, \$20,000  
**FRESNO, Fresno Co., Cal.** "H" Street near Stanislaus.  
Fireproof business structure, 75x150.  
Owner—James Porteous, Fresno.  
Architect—Eugene Mathewson, Cory Bldg., Fresno.

**TACOMA, Wash.**—The Minneapolis Steel & Machinery Co., Minneapolis, Minn., has been awarded the contract for furnishing the structural steel for the proposed 13-story office building to be erected for W. R. Rust of Tacoma in that city. The contract price runs in the neighborhood of \$100,000. The general contract has been given to J. E. Bonnell of Tacoma on a cost plus basis.

Plans were prepared by Architects Sutton & Whitney, Lewis Bldg., Portland, Ore.

**Plans Being Figured.**  
**STORE, ETC.** Cost, \$18,000  
**SAN FRANCISCO.** S Post E of Larkin.  
One-story and basement Class "C" store and machine shop building.  
Owner—Edward Hohfeld.  
Architect—Edward T. Poulkes, Crocker Bldg., San Francisco.

**Plans Being Prepared. Contract Awarded.**  
**OFFICE, ETC.** Cost, \$75,000  
**SAN FRANCISCO.** SE 3rd and Brannan  
One-and one-half story reinforced concrete and warehouse building.  
Owner—M. A. Gunst.  
Architect and contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.  
Construction will start immediately.

## THEATRES

**Plans Being Prepared.**  
**ALTERATIONS** Cost, \$—  
**SAN FRANCISCO.** Golden Gate Ave. and Jones Street (Prager Bldg.).  
Alter rear portion of Class "A" store building into motion picture theatre (about 2200 seats.)  
Owner—Withheld.  
Architect—Alfred Henry Jacobs, 110 Suiter St., San Francisco.

**Segregated Figures Being Taken.**  
**THEATRE** Cost, \$50,000  
**NAPA, Napa Co., Cal.** First Street (Empire Theatre).  
One-story and balcony reinforced concrete motion picture theatre, 105x78 (1100 seats).  
Owner—R. Blumenfeld.  
Architect—O. E. Evans, 2569 Mission St., San Francisco.

**Plans to be Prepared.**  
**THEATRE** Cost, \$50,000  
**ASTORIA, Ore.** Commercial Street.  
Motion Picture Theatre, 50x125 (seating capacity 1000).  
Owner—Astoria Amusement Co. (Liberty Theatre); composed of J. D. Strauss, Will Madison and S. Danz, all of Astoria, Ore.  
Architect—Not Yet Selected.

**FRESNO, Fresno Co., Cal.**—Kehrlin Bros. will enlarge their Kinema Theatre in Fresno to increase the seating capacity from 1400 to 2000. Frank Purkett is manager of the theatre. From \$50,000 to \$100,000 will be spent on improvements.

**Plans Being Prepared.**  
**ALTERATIONS** Cost, \$125,000  
**STOCKTON, San Joaquin Co., Cal.** Main and N-San Joaquin Sts.  
Extensive alterations to theatre and store (new entrance, interior decoration, heating system, etc.).  
Owner—A. C. Blumenthal Co., 58 Sutter St., San Francisco.  
Architects—Weeks & Day, Phelan Bldg. San Francisco.  
Plans will be ready for figures about the 1st of December.

**Contract Awarded.**  
**THEATRE** Cost, \$18,250  
**VALLEJO, Solano Co., Ca.** Virginia Street.  
Carpentry and glass work for a one-story steel frame and hollow tile theatre building. (Virginia Theatre).  
Owner—Bell Amusement Co.  
Architect—Bernard J. Joseph, Call Bldg., San Francisco.  
Contractor—S. J. Weeks, Vallejo, Cal.  
Other bidders were:  
Miller & Cassidy, Vallejo.....\$13,580  
George Barench, Vallejo.....13,780  
Branch & Coffey, S. F.....20,150  
Ira Coburn, San Francisco.....20,440  
Thos. Cavanaugh, S. F.....21,480  
Wegner & Bloh, S. F.....22,750

## ENGINEERING

### BRIDGES, DAMS & HARBOR WORK

**REDDING, Shasta Co., Cal.**—The Supervisors have awarded contracts for the construction of the Whiskey Creek and Grizzly Creek bridges to F. A. Zimmerman of Redding, at \$4,895 and \$4,875 respectively. Both structures will be of reinforced concrete construction.

The following bids were received:  
**Whiskey Creek.**  
F. Rolandi, San Francisco, \$9,100  
William Stephens, Redding, \$8,935; F. A. Zimmerman, \$4,895.  
**Grizzly Creek.**  
F. Rolandi, \$9,400; William Stephens, \$8,000; F. A. Zimmerman, \$4,875.

The Whiskey Creek bridge is 28 feet and the Grizzly Creek bridge 43 feet long.

**MADERA, Madera Co., Cal.**—The Supervisors have taken the bid of J. E. Mitchell, 206 Strauther St., Fresno, under advisement for the repairs of the Herndon bridge. The bid was \$2,495.

**NAPA, Napa Co., Cal.**—Bids will be received by the County Supervisors, James Daly, County Clerk, up to Oct. 31st for furnishing and delivering to the County of Napa 1,300 feet of corrugated culvert pipe.

**HOLLISTER, San Benito Co., Cal.**—The Supervisors have declared their intention of constructing two bridges for the proposed Pacheco Pass Hollister State Highway, as soon as working drawings can be secured from the State Highway Commissioners. The highway will be built by the State, while the bridges will be erected and paid for by the County.

**MARTINEZ, Contra Costa Co., Cal.**—Following bids were received by the County Supervisors, J. H. Wells, County Clerk, for the construction of the San Pablo and Wild Cat Creek bridges:

Ed. H. Martin.....	\$9,772
Hyde, Harjes .....	18,088
A. J. Grier.....	16,575
Palmer & Peterson.....	17,720

Awarded to Ed. H. Martin.

On the San Ramon bridges the contract was awarded to A. J. Grier for \$17,790. The other bids were Hyde, Harjes, \$18,847; C. A. Bruce, \$18,745.

**NEWPORT BEACH, Orange Co., Cal.**—Wm. Ledbetter, Pacific Electric Bldg., Los Angeles, was awarded the contract at approximately \$156,000 for constructing stone revetments and jetties for the new mouth of the Santa Ana river and an extension of the present jetty at the entrance to Newport bay. About 50,000 tons of rock will be required. Los Angeles Dredging Co. was awarded the contract at approximately \$312,000 for dredging the channel in the harbor and across the bar at the mouth of the bay. The earth dam at Bitter Point, which is a part of the river diversion plan, the proposed wharf and warehouse and spur railroad track are not included in the contracts and this work will either be re-advertised or be done by force account. Leeds & Barnard, Central Bldg., Los Angeles, are the engineers.

**STOCKTON, San Joaquin Co., Cal.**—The County Engineer has been instructed to prepare plans and specifications for a bridge over the Bear Creek on Harney Lane.

**HOLLISTER, San Benito Co., Cal.**—The Supervisors have awarded a contract to W. I. McReynolds for the erection of a highway bridge over Green Canyon Creek in Supervisor District No. 4 at \$3,757.

Elmer Dowdy is County Clerk.

**RED BLUFF, Tehama Co., Cal.**—Following bridge bids were opened by the County Supervisors at their last meeting:

**Three Bridges Near the Schultze Place on the Tehama Road.**  
R. B. McKenzie, Gerber, Cal. (1) \$1,805; (2) \$1,863; (3) \$2,300.

**Boardwell & Zimmerman, Calistoga, Cal.** (1) \$2,150; (2) \$2,150; (3) \$2,800. The contract was awarded to McKenzie.

#### Singer Creek Bridge.

Boardwell & Zimmerman, \$18,500.  
Ross Construction Co., \$19,389.  
For this structure \$16,000 is available.  
**Bridge Over South Fork of Cottonwood Creek.**

George Pollock Co., \$16,248. Bid is \$6,248 in excess of estimate.

#### Bridge Over Antelope Creek.

Boardwell & Zimmerman, \$11,000.  
\$8,900 available.

No bids were received by the Supervisors for the construction of the Mill Creek bridge and the bridge over the State highway over Red Bank Creek south of Red Bluff.

The Advisory Board advised that in the future it would be well to call bids for the Ludden type of construction as well as the girder type.

County Engineer Lanning reported the wooden truss bridge across upper Deer Creek in a dangerous condition, and recommended the construction of a new steel (Ludden type) structure.

H. G. Kuhn is County Clerk.

**SACRAMENTO, Cal.**—The bids of the Ross Construction Co. and Jenkins & Wells of Sacramento, for the construction of two bridges on the Upper Stockton Road, 2 miles north of Elk Grove, have been rejected by the County Supervisors as being too high.

It is probable that the work will be done under the supervision of County Engineer Drury Butler.

## IRRIGATION WORK

**BAKER, Ore.**—L. R. Stockman, engineer of Baker, has been engaged by the Directors of the South Fork and Burnt River Irrigation District to make a complete survey and estimates of construction costs of reservoir sites. The District was recently organized and is backed by more than forty farmers. Henry E. Tweed, County Agricultural Agent, is also interested in the district.

**YAKIMA, Wash.**—Directors of the Naches-Selah Canal are planning the expenditure of \$125,000 for concreting one and one-half miles of the main canal, installation of 2 siphons; 1 being 1000 feet in length and constructed of 48-inch creosoted wood pipe and the other of 42-inch pipe and 3400 feet long.

**OROVILLE, Butte Co., Cal.**—The Supervisors have set November 6th as the date for the voters to decide the question of forming the proposed Oroville-Wyandotte and the Honcutt-Yuba Irrigation Districts.

The Oroville-Wyandotte District will comprise 1,353.47 acres and the Honcutt-Yuba district 909 acres.

**BOISE, Idaho.**—Preliminary work on three irrigation districts contemplating the expenditure of \$95,000 in the vicinity of Preston, Ida., has been put under way by the State Commissioners of Reclamation under the direction of J. M. Burkett, Engineer.

The projects include the construction of a dam in Cottonwood Creek on the Treasuraton Irrigation District.

# Pacific PIPE

## SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,  
231 Howard St.      San Francisco

This contemplates an expenditure of \$30,000 to \$40,000. Another proposes the erection of two dams to conserve the waters of Battle Creek and add to the available water on old farms in that vicinity. This will come under the Strongarm Reservoir project, costing about \$40,000.

The third project is fathered by the Winder Reservoir Company and will consist in heightening an old dam near Coulam. The work will cost approximately \$15,000.

Plans and specifications for these works, now being prepared, are necessary to the final approval of the several improvement schemes.

**ANTIOCH, Contra Costa Co., Cal.**—R. F. Moore of Pittsburg submitted the only bid to the City Trustees for boring the proposed municipal well and this was taken under advisement, the bid being:

First 100 feet, \$4.75 per foot; next 50 feet, \$5.25 per foot; following 50 feet, \$5.75 per foot, with 50 cents per foot increase to 500 feet. The last 50 feet would be \$8.75 per foot, or a well 500 feet would cost \$3,300.

**RAINIER, Ore.**—G. J. Poysky, diking engineer of Kelso, Wash., has been selected by the Directors of the Rainier Irrigation District to work out plans for about 1,400 acres which will be reclaimed by diking and draining. Preliminary surveys for the work have already been completed.

**PERRIS, Riverside Co., Cal.**—At a mass meeting of ranchers and business men of the Perris Valley, it was decided to take steps to secure water from the San Luis Rey River in San Diego County, for irrigation in the valley. It is estimated the project will cost \$4,000,000, involving the construction of a dam at Warner's ranch, San Diego County, impounding enough water to serve 30,000 acres in Perris Valley.

**MODESTO, Stanislaus Co., Cal.**—The Board of Education has awarded a contract to the Turner Hardware & Implement Co. of Modesto at \$840 for furnishing and installing a pump to throw 600 gallons of water per minute for use in connection with the well at the school grounds for which a contract has been awarded to D. P. Howell, he being the low bidder.

**MARYSVILLE, Yuba Co., Cal.**—Engineers from the firm of Painter & Miller with offices in Marysville, have commenced surveys for excavations which will extend the Sutter-Butte canal to Gilhauer Slough, southwest of Sutter City in Sutter County. About 20,000 acres will be placed under irrigation through the extension. A canal 8 miles long will be included in the work.

### LIGHTING SYSTEMS

**SAN LEANDRO, Alameda Co., Cal.**—The City Trustees, J. J. Gill, City Clerk, has passed resolution of intention providing for the installation of lighting posts in East Fourteenth street from Stanley road to a line drawn across East Fourteenth street parallel to and distant 90 feet southeast from Toler avenue; also on East Fourteenth street from the south line of Thornton street, produced, across East Fourteenth street to the south-west boundary line of the city.

Each post will rest on a concrete foundation 30 inches square at the bottom, 20 inches square on top and 24 inches in depth. The posts will be of reinforced concrete construction 9 feet 5 inches in height.

### MACHINERY

**SALINAS, Monterey Co., Cal.**—Bids will be received by the County Supervisors, T. P. Joy, County Clerk, up to 3 P. M., November 4th, for the purchase of one 12-ton, single cylinder Austin Road Roller. The sale will be made at public auction. Further information regarding the roller may be had from County Clerk Joy.

**YUBA CITY, Sutter Co., Cal.**—The County Supervisors have decided to purchase from the Austin-Western Road Machinery Co., 20 Fremont St., San Francisco, one Austin "Giant" road grader at \$740, less freight to be delivered at Tudor, Sutter County.

### SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

**STOCKTON, San Joaquin Co., Cal.**—Bids will be received by County Clerk Eugene D. Graham up to November 4, 10 A. M., for grading, preparing the road bed, and placing crushed rock on that portion of the I. L. Borden Road extending from the Middle River Bridge across Victoria Island to the Old River Bridge, in O'Neal Road District, San Joaquin County, a total distance of 4 1/4 miles.

### OREGON HIGHWAY COMMISSION OPENS BIDS.

**PORTLAND, Ore.**—Following is a list of low bids received by the Oregon State Highway Commission for various highway projects:

#### Mosier-Rowena.

9.02 miles grading and 50-foot tunnel.  
Engineer's estimate, \$272,650.  
Conc. Pipe Iron Pipe.  
Johnston Cont.  
Co. .... \$223,627.50 \$225,835.00  
Awarded contract.

**Lakeview-Crooked Creek, Lake County.**  
11.09 miles grading, graveling.  
Lake County Court, r o b.  
gravel ..... \$127,782.20  
Lake County Court, screened  
gravel ..... 140,794.70  
Engineer's estimate, \$145,132.20.  
Awarded contract.

#### Unit No. 1, Remote-Camas Valley, Coos County.

6.07 miles grading.  
Iron Pipe Cedar Logs.  
J. Hampshire ..... \$151,372.12 \$152,610.50  
Engineer's estimate, \$172,967.37.  
Awarded contract.

#### Unit No. 2, Remote-Camas Valley.

8.10 miles grading.  
Iron Pipe Cedar Logs.  
J. Hampshire ..... \$198,720.60 \$200,456.10  
Engineer's estimate, \$244,832.  
Awarded contract.

#### Bordner Hill and Main Hill.

1.2 miles gravel surfacing.  
Awarded to Marion County Court at cost.

#### Lakeview-New Pine Crook, Unit No. 1.

1.78 miles grading and macadam.  
Lake County Court, r o b.  
surfacing ..... \$13,867.00  
Lake County Court, screened, 15,967.00  
Engineer's estimate, \$14,035.  
Awarded contract.

#### Baker-Middle Bridge.

7.9 miles gravel surfacing.  
F. C. Oxman ..... \$37,950.00  
Engineer's estimate, \$34,800.  
Bids rejected; to be done force account.

#### Rowena-Dalles.

7.76 miles grading.  
Conc. Pipe Iron Pipe.  
A. D. Kern ..... \$76,425.00 \$76,821.00  
Awarded contract.

#### Gillman County-Heppner.

35 miles grading.  
Iron Pipe.  
Oscar Huber ..... \$146,493.50  
Engineer's estimate, \$158,931.  
Awarded contract.

#### Service Creek, Unit No. 2.

Iron Pipe  
J. F. Clarkson ..... \$126,934.50  
Estimate, \$129,248.  
Awarded contract.

#### Service Creek, Unit No. 3.

Iron Pipe.  
J. F. Clarkson ..... \$115,536.60  
Estimate, \$119,292.  
Awarded contract.

#### Service Creek, Unit No. 4.

Iron Pipe.  
A. D. Kern ..... \$154,561.26  
Estimate, \$167,148.  
Awarded contract.

#### Bridges.

**Oregon City-Oswego, 130-Foot Arch.**  
Pacific Bridge Co. .... \$48,406.75  
Engineer's estimate, \$48,028.75.  
Bids taken under advisement.

#### 240-Foot Wood Trestle, Clackamas County.

Engineer's estimate, \$8,820.  
E. D. Olds ..... \$7,224  
Bids taken under advisement.

#### Concrete Crossing Over Sand Creek.

Estimate, \$11,128.  
C. Gardner ..... \$11,903.00  
Awarded contract.

#### Gilliam County, Heppner Junction.

Estimate, \$14,245.  
Rees & Davis, Hermiston, Ore. .... \$12,725  
Awarded contract.

#### Gilliam County, Willow Creek.

Estimate, \$22,755.  
Rees & Davis ..... \$21,515  
Awarded contract.

#### Jackson County, Near Tolo.

Estimate, \$15,565.  
A. Anderson ..... \$14,578  
Awarded contract.

#### Timber Trestle, Lincoln County.

Estimate, \$4715.  
J. C. Altreo ..... \$3,470  
Bids taken under advisement.

#### Morrow County, Near Mersanner.

Estimate, \$13,219.  
Rees & Davis ..... \$13,240  
Awarded contract.

#### Yamhill-Polk Counties.

No bids were received for the three bridges and two culverts in Polk and Yamhill counties, and the work was ordered done by force account.

**MARYSVILLE, Yuba Co., Cal.**—Following bids were received by the City Trustees for the paving of Fifth street from B to D, Sixth street from A to C, and D street from Fifth to Ninth:

Federal Construction Co., approximately, \$35,681.  
Clark & Henery Construction Co., approximately \$26,000.  
McGillivray Construction Co., approximately, \$36,584.

The bids were taken under advisement. William M. Meek is City Engineer.

**SACRAMENTO, Cal.**—Petitions asking the improvement of Thirty-third street from Fifth to Ninth avenue have been received by the City Commissioners and referred to the Commissioners of Streets for report. M. J. Desmond is City Clerk.

**ALAMEDA, Alameda Co., Cal.**—The City Council has granted a permit to the Southern Pacific Company to proceed with the dredging of the estuary just west of the Webster street bridge. Nine acres of waterfront improvements are planned by the company and will cost about \$200,000.

**SALINAS,** Monterey Co., Cal.—The Supervisors have rejected the bid of J. Soukas, 393 3rd St., San Francisco, at \$6,000 for the improvement of the Salinas-Natividad road as being too high as was the bid of the Granite Rock Co. for the improvement of the King City-Lon-Oak road.

**STOCKTON,** San Joaquin Co., Cal.—The County Supervisors have awarded a contract to Moring Bros., Commercial & Savings Bank Bldg., Stockton, for paving the Daggett and Moring roads from Jacobs road to Lane road on their bid of \$9,471.65. A. G. Grier submitted a bid of \$10,596.85.

**MERCED,** Merced Co., Cal.—The City Trustees, J. D. Wood, City Clerk, has passed resolution of intention No. 62 providing for the improvement of the alley in Block 86, by grading; constructing concrete curbs and paving with a 4-inch hydraulic cement concrete base.

**COLUSA,** Colusa Co., Cal.—The City Trustees have appointed J. W. Kaerth as City Engineer following the resignation of O. N. Critchfield.

**NAPA,** Napa Co., Cal.—Bids will be received by the County Supervisors up to October 31st for the grading and covering with crushed rock the county highway from York Creek, in the Town of St. Helene, to Lincoln avenue to the Town of Calistoga.

**ALAMEDA,** Cal.—J. M. Bowen, a civil engineer of Alameda, has been awarded the contract for the surveying and laying out of the skyline boulevard above Saratoga and will be engaged in the work for three months.

Bowen had the distinction of being the first man in Alameda drawn for the draft and was at that time with the state highway commission. He recently returned from France, where he saw active service.

**MERCED,** Merced Co., Cal.—The High School Trustees have rejected the bid of A. Teichert & Son, Oschner Bldg., Sacramento, at \$2,616 for paving the half block adjoining the school property on Twenty-second street between N and M streets, as being too high and above the amount available.

The bid was 23½ cents a square foot for paving and 90 cents a foot for curbing.

**PRESCOTT,** Ariz.—The recently appointed Yavapai County Highway Commission has selected H. L. Fishel, former railway engineer, as chief highway engineer, and W. A. Drake, general manager of the S. F. P. & P. Ry., as consulting engineer. R. E. Donovan, Clerk of the Board of Supervisors, will act as secretary until after the bond election, January 10, 1920. The commission will proceed with preliminary surveys and preparation of estimates to determine the amount of the proposed bond issue. Winchester Dickerson of Ash Fork, is President of the Highway Commission, the other members being B. H. Smith and C. H. Hosker of Prescott; R. W. Wingfield of Ash Creek, and H. W. Lewis of Jerome.

**LONG BEACH,** Los Angeles Co., Cal.—P. S. Tompkins, 553 Pacific avenue, Long Beach, was awarded the contract at \$17,500 for constructing vitrified sewers in sewer district No. 8, Long Beach.

**SONOMA,** Tuolumne Co., Cal.—Daniel Corcoran has been awarded a contract by the County Supervisors for the construction of the Deer Flat road, he being low bidder at \$1,394. Other bidders were:

McGuire & De Ferrari.....\$1,695  
R. J. Gray.....1,440

**SAN LEANDRO,** Alameda Co., Cal.—The City Trustees, J. J. Gill, City Clerk, have passed resolution of intention providing for the improvement of Peralta avenue along its center line, from a point thereon, distant 5 feet, easterly from the intersection of the center line of Peralta avenue with the northeast line of the right-of-way of the S. P. Company to a point 350 feet southwest from East Fourteenth street by the construction of an 8-inch vitrified sewer; installation of 5 brick manholes with cast iron tops, "Y" branches, etc.

**OROVILLE,** Butte Co., Cal.—J. A. Huntington, 324 Montgomery Street, Oroville, being the only bidder the Supervisors have awarded him the contract for building six miles of road extending from Miners Ranch to Jack's Ranch.

O. A. Peter, 404 Montgomery St., Oroville, at \$799.60 was awarded the contract for the construction of the bridge at the Garden Ranch. T. H. Polk received the contract at \$2,374 for the Edgar Slough bridge.

**DIXONA,** Tulare Co., Cal.—The City Clerk has been instructed to advertise for bids for paving the following streets:

All of North K street; L street from Ventura to College avenue; College avenue from L street south to the S. P. railroad; N street from Alta avenue to Inyo; Tulare street from N to Alta avenue, and a short distance south from Tulare street on Alta avenue.

**SAN ANSELMO,** Marin Co., Cal.—The Town Engineer has been instructed to prepare plans for the improvement of the Butterfield road, a request having been received from property owners asking the work.

**YREKA,** Siskiyou Co., Cal.—The City Engineer has been instructed to prepare plans for the extension of the sewer out Miner avenue from Gold street.

**WHITTIER,** Los Angeles Co., Cal.—J. B. Lippincott, Consulting Engineer, Central Bldg., Los Angeles, has been retained by the City Trustees to prepare plans for and supervise the construction of the proposed extensions to the city water system for which \$361,000 bonds were voted. He will receive a lump sum of \$8,000 provided the work is done by contract and \$12,000 if the work is done by force account.

**REDWOOD CITY,** San Mateo Co., Cal.—Blanchard, Crocker & Howell, 58 2nd

Street, San Francisco, have been awarded a contract by the City Trustees for the improvement of Webster street between Jefferson and Main streets, they being the only bidders at \$9,267.55.

**SANTA CRUZ,** Santa Cruz Co., Cal.—The City Council, S. A. Evans, City Clerk, has awarded a contract to W. E. Miller, 81 Church St., Santa Cruz, for the improvement of Seabright avenue at \$45,494.16. The work covers the laying of 1,428 lineal feet of 4-inch sewer pipe; grading 18,566.23 square feet; concrete pavement, 5 inches thick 171,079.46 square feet; concrete sidewalks 3866.15 square feet; standard detached concrete curbs 6745.30 lineal feet; corrugated iron pipe culverts, 12 inches in diameter 32 lineal feet; corrugated iron half circle culverts, 1000 lineal feet; 3 concrete catchbasins.

**SAN FRANCISCO.**—The Supervisors are considering the appropriation of funds to finance the following improvements:

Painting bridges and for a rock fill at the approach to Islais Creek bridge. Improvement on Ocean Beach Esplanade and painting fences and metal work about the exterior of the San Francisco Hospital.

The Supervisors have approved a bill providing for the following street improvements, the work to be done by the City Street Repair Department:

Bay street from Columbus avenue to the Embarcadero, \$48,919.

Mason street from Columbus avenue to North Point street, \$19,700.

Eddy street from Leavenworth to Van Ness avenue, \$20,000.

Sixteenth street from Folsom to Harrison streets, \$4580.

Jackson street from Sansome to Battery streets, \$3110.

Larkin street from Bush to Pine streets, \$3100.

Fremont street from Market to Mission streets, \$6000.

Clay street from Drumm street to the Embarcadero, \$4867.

Clara street from Fourth to Fifth streets, \$5200.

Clara street from Fifth to Sixth streets, \$5200.

Ringgold street from Eighth to Ninth streets, \$3410.

**TRACY,** San Joaquin Co., Cal.—The City Trustees have ordered bids received for the extension of the sewer and water mains in Rosedale and Fourth streets.

The bids will be opened October 30th.

**SAN BERNARDINO,** Cal.—Bids will be called for at once for constructing sewers in D street between Thirtieth and Fourteenth, and in G street from Rialto avenue to Santa Fe tracks. Proceedings have been started for sewers in Belle street between Base Line and Thirtieth; Fourteenth street between E and G streets, F street between Thirtieth and Seventeenth streets and Evans street between E and G streets.

**SAN BERNARDINO,** Cal.—The City Council has decided to surface Third street from Arrowhead avenue to F street, and E and D streets between

Third and Fourth streets, with 2-in. asphalt. Specifications for paving Arrowhead avenue from Sixteenth street to the north city limits have been changed to provide for 1½-in. asphaltic concrete base and 1½-in. Warrentite surface. Bids will be called for at once for paving on Base Line between Arrowhead avenue and B St. and Second St. from I St. to Carter St.

**SAN ANSELMO, Marin Co., Cal.**—Two bids were received by the City Trustees for the improvement of streets in the Barber Tract, these from S. P. Brownlee of San Rafael and the Richmond Paving Company. As the bid of the latter was not signed it could not be considered. Brownlee failed to state a bid on one item, but enclosed a 10% check covering the work.

As the Trustees were undecided whether or not the bids were valid the matter of awarding a contract was laid over until an attorney's report was secured.

## RAILROADS

**CARSON CITY, Nevada.**—Chairman J. F. Shaughnessy of the Public Service Commission has directed the Reno Traction Company to provide up-to-date equipment on its Reno-Sparks line and to improve the road-bed on the same road.

## FIRE EQUIPMENT.

**NAPA, Napa Co., Cal.**—The County Supervisors have awarded a contract to the Napa Cyclery, Napa, at \$10.90 each for furnishing and delivering 90 fire extinguishers. Other bidders were: H. W. Johns-Manville Co., \$11.55 each Pacific Fire Extinguisher Co. 12.50 each Jas. Daly is County Clerk.

## DEPOSITS OF 32 NATIONAL BANKS TOTAL \$5,086,404,000.

Gross deposits of thirty-two of the leading national banks throughout the United States, as of the last Comprompter's call on Sept. 12, amounted to \$5,086,404,000. This compares with \$5,062,272,000 as of June 30, 1919, and \$5,296,724,000 as of November 1, 1918.

From these figures it will be seen that the deposit gain of these institutions since June 30 amounts to about \$24,000,000. Compared with November 1, there is a decrease of about \$210,000,000.

The largest gains in gross deposits are reported by the Western banks. The Continental & Commercial National Bank of Chicago reports a gain over June 30 of \$32,000,000. The First National of Chicago shows an increase of \$23,000,000; Bank of California, San Francisco, \$18,000,000; First & Old Detroit National of Detroit, \$11,000,000; Anglo-London-Paris National of San Francisco, \$12,000,000 and the First Securities National of Minneapolis a gain of about \$9,000,000.

Some of the larger New York banks show a marked decrease in deposits. The First National Bank lost about \$50,000,000, the National City \$32,000,000, American Exchange National \$37,000,000 and the Hanover National \$15,000,000.

The Liberty National reported the

greatest gain, its gross deposits now standing at \$102,959,000, compared with \$80,238,000 as of June 30, or a gain of about \$12,000,000. This increase is explained through the recent merger of the Scandinavian Trust Co. with the Liberty. The Chase National Bank gained \$24,000,000; Irving National \$14,000,000 and the Chemical National \$6,000,000.

## OLD BUILDING PRICE IS NEVER TO RETURN.

A decrease of building loans in California for the current year over the loans of 1918 is noted in a report filed with Governor Stephens by the Building and Loan Commissioner.

This decrease, which Walker says is due to war conditions, is 3.95 per cent over 1918.

Walker says that former building conditions and prices for material are gone forever, and that in the future, building will cost considerably more than in the past years.

According to the report there were 4,121 loans made on real estate in the year, and the rate of interest charged was 7.87 per cent. The gross assets are now \$38,374,331.91, or an increase of \$1,253,333 in the year.

Fifty-seven Building and Loan Associations report the holding of 346 pieces of real estate with a book value of \$1,480,305.28. The sales for the year were \$1,190,621.76.

## MADERA COUNTY WANTS LUMBER BIDS.

**MADERA, Madera Co., Cal.**—Bids will be received by W. R. Curtin, County Clerk, up to November 5th, 10 A. M., for furnishing and delivering at Firebaugh, Fresno County, the following lumber:

102 pieces 3"x12"-16' O. P.; 9 pieces 10" 150 pieces 3"x12"-24' O. P.; 11 pieces 3"x14"-16' O. P.; 11 pcs. 3"x14"-14' O. P.; 32 pieces 2"x12"-16' O. P.; 36 pieces 10"x10"-12' Redwood; 9 pieces 6"x12"-10' Redwood; 14 pieces 10"x10"-8' Redwood.

On addition to the above bids will be received at the same time for furnishing and delivering at Chowchilla, Madera County, 800 pieces of 3"x12"-18' Yellow Pine.

Further information may be had from the County Clerk at Madera.

## OPPORTUNITY FOR PAINT MANUFACTURERS.

The Electro-Chemical Manufacturing Co., Pueblo, Colorado, wishes to get in touch with paint manufacturers in San Francisco and vicinity.

## HYDRO-ELECTRIC AND IRRIGATION PROJECT FOR VENTURA COUNTY.

**LOS ANGELES, Cal.**—The Sesse Light & Power Co., Frank Buren, President, Merchants Trust Bldg., Los Angeles, has filed application with the State Railroad Commission for authority to proceed with a hydro-electric and irrigation project in Ventura County. It is proposed to develop 35,000 h. p. and to preserve 100,000 acre ft. of water for irrigation. The stockholders will provide \$100,000 for preliminary work and surveys and the company will later ask authority to issue bonds and preferred stock to complete the project. The first unit of the project consists of two res-

ervoirs with a combined capacity of approximately 51,000 acre ft., 46,000 ft. of power conduit, 3000 ft. of pressure pipe, 1000 ft. head and a 10,000 kilowatt power plant, to be later increased to 18,000 k. w. when unit No. 2 is built. The second unit contemplates 100,000 acre ft. of storage on the Piru watershed, 90,000 ft. of conduit, 4000 ft. of pressure, 2300 ft. head, 8000 k. w. installation at Power Plant No. 2, and the increasing of Plant No. 1 by 8000 k. w. A third unit or complete development of the project contemplates additional storage, either on the Upper Sespe or at desirable sites in the irrigation area, to enable the delivery of the full 100,000 acre ft. per annum of water for irrigation.

## COMPLETING SURVEYS FOR SUBWAY.

**RED BLUFF, Tehama Co., Cal.**—Division Engineer J. A. Given of the Shasta section of the Southern Pacific Company, has been in conference with County Engineer W. F. Lunning regarding the proposed subway planned jointly by Tehama County and the Southern Pacific Company under the S. P. tracks one-half mile south of Red Bluff on the State highway.

It is expected that the contract for the excavating and the concrete work will be let in the near future as all preliminaries have been completed.

A portion of the cost will be paid by the Tehama County Board of Supervisors of which H. G. Kuhn is Clerk.

## FRESNO CONTRACTORS FORM ASSOCIATION.

**FRESNO, Cal.**—Contractors of the city, responding to a call for a meeting by R. F. Felchlin, contractors and architect, took preliminary steps toward the formation of an association of builders. The purposes of the organization is to deal collectively with labor. Felchlin has announced that the association will not oppose labor unions as such, but the contractors wish to be in a position of rejecting any unreasonable demands made upon them by labor.

## BRIDGE CONSTRUCTION URGED.

**YUBA CITY, Sutter Co. Cal.**—The Sutter-Basin Company is urging the Supervisors of Yuba and Sutter Counties to call a meeting to discuss ways and means of having a modern bridge erected over the by-pass one mile north of Chandler which will establish a means of communication between the counties and resulting in three million dollars annually for the merchants of both counties.

Engineer Edward Van Geldern of Sutter County and Engineer Erle Cope, 1st National Bank Bldg., San Francisco, together with county officials have prepared a report on the proposed structure.

## TO RECONSTRUCT TRANSMISSION SYSTEM.

**PORTERVILLE, Tulare Co., Cal.**—The Mt. Whitney Power & Electric Co. is preparing to reconstruct 80 miles of its transmission system. The present 30,000 volt line will be replaced with an aluminum system of 60,000 volts capacity.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Am't.
2216	Leigh	Leigh	400
2217	Kearney	Kearney	500
2218	Speyer	Duncan	13600
2219	Mkt St. Rity	Scott	2040
2220	Maples	Diorn	12325
2221	Bothin	Bothin	4000
2222	Wilson	Greater	2500
2223	Cal Charcoal	Owner	2500
2224	Atlas Laundry	Owner	4500
2225	Hogan	Hogan	2000
2226	Hirsh	Diestel	1500
2227	Roncelli	Roncelli	1000
2228	Graeber	Graeber	1250
2229	Buttgenbach	Johnson	500
2230	Pac Fire Extr	Kyle	2500
2231	Seigler	Cohn	1250
2232	Moore	Diston	1000
2233	Morehouse	Owner	400
2234	Gallas	Coggins	400
2235	Rowland	Rowland	800
2236	Pemberton	Reilly	5500
2237	Marra	Pasqualetti	12500
2238	Palk	Warden	721
2239	Schloss	Davison	1325
2240	Same	Zelinsk	5550
2241	Same	Williams	9757
2242	Same	Zaro	7194
2243	Same	Turner	3520
2244	Same	Turner	3952
2245	Same	Nelson	33431
2246	Balfour	Cal Art Mtl	55032
2247	Walter	Grace	14205
2248	Schoenberg	Drake	2950
2249	De Waas	Maas	4472
2250	Main Iron	Owner	22000
2251	Peters	Peters	7000
2252	Richards	Jensen	1750
2253	Cartland	Pontaneller	940
2254	Schobert	Schobert	400
2255	Conradt	Ganote	400
2256	Richler	Eichler	450
2257	Weissbein	Meyer	17200
2258	Same	Same	8600
2259	Kidd	Maas	4000
2260	Moses	Ruegg	4957
2261	Goldberg	Spargo	1850
2262	Pacific Forge	Lindgren	6000
2263	Mangles	Mangles	5950
2264	Perley	Perley	5000
2265	Born	Born	5000
2266	Waldo	Rich	6400
2267	R C Archbishop	Owner	1000
2268	Renner	Larsen	600
2269	Bothin	Bothin	2000
2270	Broderick	Owner	500
2271	Gaffney	Lewis	1250
2272	Holm	Holm	2000
2273	Kerstigla	Owner	1000
2274	Mkt. St. Rity	Goerlicke	1200
2275	Strand	Brunfield	2985
2276	Nellan	Pasqualetti	37500
2277	Bier	Cameron	
2278	Garden Homes	Bjorkman	6463
2279	Magee	Grace	1800
2280	Daseking	Owner	1500
2281	Samuels	Mullen	2000
2282	Hall	Hall	6000
2283	Larsen	Larsen	1000
2284	Harkins	Mager	600
2285	Hooper	Ross	975
2286	St. Joseph's	Fennell	50340

### ALTERATIONS

(2216) W TWENTY-THIRD 164 E Diamond. Alter for basement garage.  
Owner—Fred J. Leigh, 4164 23rd St. San Francisco.  
Architect—None.  
Day's work. COST, \$400

### ALTERATIONS

(2217) NO. 207 WAYLAND. Plaster front; new stairs and porch for flats  
Owner—J. Kearney, Premises  
Architect—None.  
Day's work. COST, \$500

### WAREHOUSE

(2218) NE FIFTH AND FOLSOM 50x 80. All work for two-story Class "C" warehouse building.  
Owner—S. B. Speyer and J. Schwartz, 869 Folsom St., San Francisco.  
Architect—S. Helman, 57 Post St., San Francisco.

Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.  
Filed Oct. 14, '19. Dated Sept. 30, '19.  
Brick work ½ story high.....\$3400  
Roof boards on..... 3400  
Completed and accepted..... 3400  
Usual 35 days..... 3400

TOTAL COST, \$13,600  
Bond, \$6800. Sureties, H. L. Kaufman and L. J. Neal. Limit, 60 days. Forfeited, none. Plans and specifications filed.

### ALTERATIONS

(2219) S MARKET bet. Third and Fourth. Rearrange ventilating system in Portola Theatre.  
Owner—Market Street Realty Co.  
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.  
Contractor—The Scott Co., 243 Minna St., San Francisco.

Filed Oct. 14, '19. Dated Oct. 10, '19.  
On completion ..... %  
Usual 35 days..... ¼

TOTAL COST, \$2040  
Bond, none. Limit, Nov. 15, 1919. Forfeited, none. Plans only filed.

### RESIDENCE

(2220) N CLEMENT 173.33 W 36th Ave., Lot 11, Lincoln Manor. All work for a two-story and basement frame residence.

Owner—Edward T. and Clarie W. Maples, 681 Market, S. F.  
Architect—S. A. Born Building Co.  
Contractor—S. A. Born Building Co., Shore View Ave. near 36th Ave.

Filed Oct. 14, '19. Dated Oct. 9, '19.  
Contract signed .....\$1,000.00  
Exterior sheathing on ..... 2,333.33  
Plastered ..... 2,333.33  
Building completed ..... 1,325.00  
Usual 35 days ..... 2,333.34  
Deed of trust for \$3,000.

TOTAL COST, \$12,325.00  
Bond, Sureties, Forfeited, none. Limit, 120 days. Plans and specifications filed.

### WAREHOUSE

(2221) S CLEMENTINA 150 E Second One-story brick or concrete warehouse.  
Owner—Bothin Real Estate Co., 604 Mission, San Francisco.  
Architect—J. A. Ettler, 604 Mission, San Francisco.  
Day's work. COST, \$4000

### FRAME DWELLING

(2222) S JUDAH 107-6 W 42nd Ave. One-story and basement frame dwlg.  
Owner—Jas. E. Wilson, 417-A Fulton, San Francisco.  
Architect—None.  
Contractor—Greater City Lumber Co., 3123 Mission, San Francisco.

COST, \$2500

(2223) S HOOVER 100 W Seventh. One-story frame shed.  
Owner—California Charcoal Co., 311 California, San Francisco.  
Architect—None.  
Day's work. COST, \$2500

### ENGINE ROOM, ETC.

(2224) NO. 138 ERIE (rear). One-story frame boiler and engine room.  
Owner—Atlas Laundry Co., Premises.  
Architect—L. P. Bolander & Son., 270 1st, San Francisco.  
Day's work. COST, \$4500

### FRAME DWELLING

(2225) E EIGHTH AVE 250 S Irving. One-story and basement frame dwlg  
Owner—Mrs. J. D. Hogan, 1346 8th Ave., San Francisco.  
Architect—None.  
Contractor—J. D. Hogan, 1346 8th Ave., San Francisco.  
COST, \$2000

### BRICK WORK, ETC.

(2226) NO. 182 THIRTY-SECOND Ave. Excavating, brick work, plastering, etc., for dwelling.  
Owner—H. L. Hirsh, Premises.  
Architect—None.  
Contractor—John Diestel, 248 Russ Bldg., San Francisco.  
COST, \$1500

### FRAME DWELLING

(2227) NO. 353 TWENTY-NINTH AV. (rear). One-story and basement frame dwelling.  
Owner—Mrs. G. Roncelli, Premises.  
Architect—None.  
Day's work. COST, \$1000

(2228) W SEVENTH AVE 140 N Clement. Alter basement for garage.  
Owner—C. F. Graeber, 4th Ave and Clement, San Francisco.  
Architect—None.  
Day's work. COST, \$1250

### FRAME GARAGE

(2229) SE STEINER AND PAGE. One-story frame garage.  
Owner—Mr. Buttgenbach, 332 Steiner, San Francisco.  
Architect—None.  
Contractor—G. A. Johnson, 419 27th, San Francisco.  
COST, \$500

### STEEL FRAME

(2230) NO. 336 SECOND. Erect steel frame for water tank.  
Owner—Pacific Fire Extinguisher Co. Engineer—W. B. Kyle, 646 Cal Bldg., San Francisco.  
Contractor—Kyle & Co., 646 Cal Bldg. San Francisco.  
COST, \$2500

### ALTERATIONS

(2231) NO. 1240 CALIFORNIA. Alter apartment vestibule.  
Owner—L. R. Seigler, 110 Sutter, S. F.  
Architect—None.  
Contractor—Louis J. Cohn, 625 Market, San Francisco.  
COST, \$1250

## ALTERATIONS

(2332) NO. 233 FINE. Erect partition, flooring, etc.  
Owner—J. J. Moore Co., Premises.  
Architect—None.  
Contractor—A. E. Disston, 1021 Clement, San Francisco.

COST, \$1000

## ALTERATIONS

(2233) NO. 2747 MISSION. Alter show windows.  
Owner—E. M. Morehouse, 872 Folsom, San Francisco.  
Architect—None.  
Contractor—C. C. Morehouse, 872 Folsom, San Francisco.

COST, \$400

## REPAIRS

(2234) E MISSION near 21st. Repair stage.  
Owner—Morris Gallas, Premises.  
Architect—None.  
Contractor—L. M. Coggins, 115 Turk, San Francisco.

COST, \$400

## FRAME DWELLING

(2235) NO. 429 BRAZIL. One-story frame dwelling.  
Owner—Thos. J. Rowland, Premises.  
Architect—None.  
Day's work.

COST, \$800

## ALTERATIONS

(2236) NO. 71 CLARENDON. Plaster exterior of dwelling.  
Owner—W. S. Pemberton, Premises.  
Architect—None.  
Contractor—Francis Reilly.

COST, \$550

## APARTMENTS

(2237) S GREEN 137-6 W Powell W 46-38S 137-6. All work for two-story and basement frame apartment building.

Owner—Fred Marra, 719 Green, S. F.  
Architect—Chas. Fantoni, 550 Montgomery, San Francisco.  
Contractor—G. B. Pasqualetti, 32 Harwood, San Francisco.

Filed Oct. 15, '19. Dated Oct. 9, '18.  
Roofed and enclosed.....\$3125  
Brown coated.....3125  
Completed and accepted.....3125  
Usual 35 days.....3125

TOTAL COST, \$12,500

Bond, \$6250. Sureties, G. B. Pasqualetti and Emilio Devincenti and Maria C. Bricca. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

## DWELLING

(2238) NE TENTH AVE AND ANZA. All work except heating, etc., for two-story and basement dwelling.  
Owner—Chas. H. and Ethel W. Falk, 2401 Jackson, San Francisco.

Architect—None.  
Contractor—Fred Warden, 354 Sussex, San Francisco.

Filed Oct. 15, '19. Dated Oct. 11, '19.  
Frame work completed.....\$1980.25  
Brown coated.....1980.25  
Completed and accepted.....1980.25  
Usual 35 days.....1980.25

TOTAL COST, \$7921.00

Bond, \$3960.50. Sureties, Chas. Monson and O. Monson. Limit, 90 days after Oct. 14. Forfeit, \$10. Plans and specifications filed.

## APARTMENTS

(2239) SW FIFTEENTH AVE AND Geary W 142 S 100 E 39-5½ SE 5½ in. E 102-5½ — 100-5. Sheet metal

work and patent flues for two three story frame apartment buildings.

Owner—Ben Schloss.  
Architect—August G. Headman, Call Bldg., San Francisco.  
Contractor—Frank Davison, 112 Herman, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.  
Sheet metal work and patent flues completed.....\$933.75  
Usual 35 days.....331.25

TOTAL COST, \$1325.00

Bond, \$665. Sureties, Geo. W. Coefield and W. D. Duncan. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

## (2240) PAINTING AND PAPERING on above.

Contractor—Raphael Zelinsky, 1512 California, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.  
2nd coat on inside and 1st coat on outside.....\$1750  
Completed and accepted.....2442  
Usual 35 days.....1398

TOTAL COST, \$5590

Bond, \$2800. Sureties, Gustave Schnee and Wm. Williams. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

## (2241) LATHING AND PLASTERING on above.

Contractor—W. Williams, 110 Jessie, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.  
Brown coated.....\$ 984.70  
Ready for finish coat.....3000.00  
Completed and accepted.....3340.30  
Usual 35 days.....2442.00

TOTAL COST, \$9767.00

Bond, \$4884. Sureties, Patrick Cassidy and R. Zelinsky. Limit, 35 days. Forfeit, \$10. Plans and specifications filed.

## PLUMBING, ETC.

(2242) PLUMBING, GAS FITTING, Etc. on above.

Contractor—Geo. N. Zaro, 3150 Turk, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.  
Buildings roughed in.....\$2697  
Completed and accepted.....2697  
Usual 35 days.....1800

TOTAL COST, \$7194

Bond, Sureties, None. Forfeit, \$10. Limit, 40 days. Plans and specifications filed.

## STEAM HEATING, ETC.

(2243) STEAM HEATING AND HOT water system on above.

Contractor—The Turner Co., 272 Tehama, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.  
Heating system roughed in.....\$ 880  
Completed and accepted.....1760  
Usual 35 days.....880

TOTAL COST, \$3520

Bond, \$1760. Sureties, D. Turner and S. D. Allen. Forfeit, \$10. Limit, 40 days. Plans and specifications filed.

## ELECTRICAL WORK

(2244) ELECTRICAL WORK ON above.

Contractor—The Turner Co., 272 Tehama, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.  
Roughed in.....\$1976  
Completed and accepted.....988  
Usual 35 days.....988

TOTAL COST, \$3952

Bond, \$1976. Sureties, S. D. Allen and D. Turner. Forfeit, \$10. Limit, 40 days. Plans and specifications filed.

## CARPENTER &amp; MILL WORK.

(2245) CARPENTER & MILL WORK on above.

Contractor—Andrew Nelson, 467 Turk, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.  
Floor joists in.....\$1500  
2nd floor in.....5000  
Ready for roofing.....5000  
Standing finish on.....5000  
Completed and accepted.....8573  
Usual 35 days.....8358

TOTAL COST, \$33,431

Bond, \$16,726. Sureties, London and Lancashire Indemnity Co.; Forfeit, \$10. Limit, 100 days. Plans and specifications filed.

## OFFICE BUILDING

(2246) SE CALIFORNIA AND SAN some. All work for exterior and interior ornamental iron and bronze work for 12-story and basement, with mezzanine floor and roof house (office building).

Owner—Halford Guthrie Invest. Co., by P. J. Walker Co., Agent, Monadnock Bldg., San Francisco.

Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Contractor—California Artistic Metal & Wire Co., 349 7th, San Francisco

Filed Oct. 15, '19. Dated Sept. 18, '19.  
As work progresses.....75%  
Usual 35 days.....Final

TOTAL COST, \$55,032

Bond, \$27,516. Surety, National Surety Co. (a corp). Limit: 1st story door and window frames, March 1, 1920; stairs, 1st, mezzanine and 2nd stories, March 15, 1920; stairs, 3rd to 7th stories, inclusive, April 15, 1920; stairs, 8th to 12th stories, incl., May 15, 1920; elevator doors, 2nd to 15th stories, incl., May 15, 1920; elevator doors, 6th to 9th stories, incl., June 15, 1920; elevator doors, 10th, 11th, 12th and 1st stories, July 15, 1920; elevator cars, July 1, 1920; all rails and balustrades, June 15, 1920; elevator door bucks, April 15, 1920; Directory board, July 1, 1920; sidewalk lights and doors, July 1, 1920; skylight guards, July 1, 1920; mail chute frame, April 15, 1920; mat frames, July 1, 1920; remainder of material when required. Forfeit, none. Plans and specifications filed.

## OFFICE FIXTURES, ETC.

(2247) NO. 570 MISSION. All work for office fixtures, fittings, including carpentry, mill work, deafening, glass, hardware and painting for six-story building.

Owner—D. N. & E. Walter & Co., Stockton and O'Farrell, S. F.

Architect—Houghton Sawyer, Hearst Bldg., San Francisco.

Contractor—Grace & Bernieri, Hearst Bldg., San Francisco.

Filed Oct. 15, '19. Dated Oct. 14, '19.  
On 1st and 15th of each month 75%  
Usual 35 days.....Balance

TOTAL COST, \$14,205

Bond, \$7,102.50. Surety, Globe Indemnity Co. a corp. Limit, 45 days. Forfeit, \$10 per day. Plans and specifications filed.

## EXCAVATING, ETC.

(2248) N POST 70 W Leavenworth. Excavating for trenches and leveling lot and all brick work and masonry for two-story brick stores

Owner—Paulina Schoenberg, 2010 Pacific Ave., San Francisco.

Architect—Mel I. Schwartz, Nevada



Bank Bldg., San Francisco.  
 Contractor—Harry E. Drake, 1333  
 Lincoln, San Francisco.  
 Filed Oct. 15, '19. Dated Oct. 14, '19.  
 Completed and accepted.....\$2212.50  
 Usual 35 days.....737.50

**TOTAL COST, \$2950.00**  
 Bond, none. Limit, 30 days. Forfeit,  
 none. Plans and specifications, none.

## ALTERATIONS

(2249) NO. 102 LAKE. All work for  
 alterations and additions to resi-  
 dence.

Owner—Mrs. A. O. De Watson, 121 2nd  
 Ave., San Francisco.  
 Architect—None.

Contractor—Maas & McGahey, 565  
 Douglass, San Francisco.

Filed Oct. 15, '19. Dated Oct. 11, '19.  
 Roughed in and roof on.....\$1118  
 Brown plaster on.....1118  
 When completed.....1118  
 Usual 35 days.....1118

**TOTAL COST, \$4472**  
 Bond, none. Limit, 90 days. Forfeit,  
 none. Plans and specifications filed.

## OFFICE BUILDING

(2250) SW DAGGETT & SIXTEENTH  
 Two-story frame office building.

Owner—Main Iron Works, 163 Main,  
 San Francisco.

Architect—Weeks & Day, Phelan Bldg.,  
 San Francisco.

Day's work. COST, \$22,000

## FLATS

(2251) N FULTON 56 and 81 E 8th  
 Ave. Two two-story and basement  
 flats (2 flats in each).

Owner—J. M. Peters, 1010 Balboa, San  
 Francisco.

Architect—None.  
 Day's work. Cost, \$3500 each

## ALTERATIONS

(2252) NO. 2910 JACKSON. Alter for  
 garage; tar and gravel roof.

Owner—Eliz. J. Richards, Premises.

Architect—None.  
 Contractor—James Jensen, 550 Val-  
 encia, San Francisco.

COST, \$1740

## ALTERATIONS

(2253) NW EDDY AND JONES. Alter  
 store front.

Owner—Gartlant & Becker, Hotel  
 Herald, San Francisco.

Architect—None.  
 Contractor—L. Fontaneller, 1920 Pine,  
 San Francisco.

COST, \$950

## ALTERATIONS

(2254) NO. 1457 HUDSON. Alter for  
 dwelling.

Owner—Wm. Schobert, Premises.  
 Architect—None.

Day's work. COST, \$400

## REPAIRS

(2255) NO. 1606 TURK. Repair roof.

Owner—Dr. J. Conradt, Novato, Cal.  
 Architect—None.

Contractor—C. M. Ganote, 2070 O'Far-  
 rell, San Francisco.

COST, \$400

## UNDERPIN, ETC.

(2256) NOS. 408-10 CASELLI. Con-  
 crete foundation and underpin.

Owner—M. A. Eichler, Premises.  
 Architect—None.

Day's work. COST, \$1400

## DWELLINGS

(2257) E TWENTY-FOURTH AVE 150  
 N Balboa N 100x E 120. All work for  
 four one-story dwellings.

Owner—Jacob Weissbein, Hearst Bldg.,  
 San Francisco.

Architect—None.  
 Contractor—Theodore G. and Rollen  
 Meyer, 2628 Anza, San Francisco.

Filed Oct. 16, '19. Dated Oct. 10, '19.

Frames up.....\$3200  
 Brown coated.....4300

Completed and accepted.....4300  
 Usual 35 days.....4300

**TOTAL COST, \$17,200**  
 Bond, \$8600. Surety, Anna Meyer.

Limit, 90 days. Forfeit, \$1. Plans and  
 specifications filed.

## DWELLINGS

(2258) W TWENTY-SEVENTH AVE  
 285 N Balboa N 50xW 120. All work  
 for two one-story five-room frame  
 dwellings.

Owner—Jacob Weissbein, Hearst Bldg.,  
 San Francisco.

Architect—None.  
 Contractor—Theodore G. and Rollen  
 Meyer, 2628 Anza, San Francisco.

Filed Oct. 16, '19. Dated Oct. 10, '19.

Frames up.....\$2150  
 Brown coated.....2150

Completed and accepted.....2150  
 Usual 35 days.....2150

**TOTAL COST, \$8600**  
 Bond, \$4300. Surety, Anna Meyer.

Limit, 120 days. Forfeit, \$1. Plans and  
 specifications filed.

## ALTERATIONS

(2259) NO. 1222 TWENTY-FOURTH  
 Ave. All work except painting and  
 window shades for alterations to  
 residence.

Owner—Daisy D. and Arthur Kidd,  
 Premises.

Architect—None.  
 Contractor—Maas & McGahey, 3974 22d  
 St., San Francisco.

Filed Oct. 15, '19. Dated Oct. 15, '19.

Owner to pay all bills when due  
 Contractor to receive 10% of cost.

**TOTAL COST not to exceed \$4000.**  
 Bond, none. Limit, 60 days. Forfeit,  
 none. Plans and specifications filed.

## ALTERATIONS

(2260) N ELLIS bet. Powell and Mas-  
 son. All work of tile, marble, car-  
 penter, electric and plastering, mill  
 work for alterations and additions  
 to Hotel Statter.

Owner—Chas. C. Moses.  
 Architect—Henry C. Smith, Humboldt  
 Bank Bldg., San Francisco.

Contractor—Ruegg Bros., Pacific Bldg.,  
 San Francisco.

Filed Oct. 16, '19. Dated Oct. 9, '19.

On 1st and 15 of each month.....75%  
 Usual 35 days.....25%

**TOTAL COST, \$4567**  
 Bond, \$2300. Sureties, Mrs. M. Ruegg  
 and Agatha Curtaz. Forfeit, none.

Limit, 35 days. Plans and specifications  
 filed.

## CONCRETE WORK

(2261) X POST bet. Hyde and Leaven-  
 worth, adjoining garage 840 Post on  
 east. Concrete work for a one-story  
 brick auto repair shop.

Owner—Goldberg-Bowen Co., 254 Sut-  
 ter, San Francisco.

Architect—S. Heiman, 57 Post, St., San  
 Francisco.

Contractor—John Spargo, 240 Mont-  
 gomery, San Francisco.

Filed Oct. 16, '19. Dated Oct. 11, '19.

Steel set.....\$162.50  
 Wall stripped.....162.50

Completed and accepted.....162.50  
 Usual 35 days.....162.50

**TOTAL COST, \$1650**  
 Bond, \$825. Sureties Wm. Williams  
 and John J. Hayden. Forfeit, none.

Limit, 15 days. No plans or speci-  
 fications filed.

## FACTORY

(2262) NW ARKANSAS AND 17th.  
 One-story frame factory.

Owner—Pacific Forge & Iron Co., Prem  
 Architect—T. Ronneberg, Crocker Bldg.,  
 San Francisco.

Contractor—Lindgren & Co., 972 Mo-  
 nadnock Bldg., San Francisco.

COST, \$6000

## FRAME DWELLING

(2263) W MIRAMAR 135 S Wildwood.  
 One-story and basement frame dwlg.

Owner—H. C. & W. J. Mangels, 1142  
 Naples, San Francisco.

Architect—Theo. Lenzen, Humboldt Bk.  
 Bldg., San Francisco.

Contractor—Mangels Bros., 1142 Naples,  
 San Francisco.

COST \$5950

## STORE BLDG.

(2264) S MISSION 150 W Eighth. One  
 story brick store building.

Owner—H. S. Perley, 166 Eureka, S. F.  
 Architect—L. F. Hyde, 2745 26th Ave.,  
 Oakland.

Day's work. COST, \$5000

## FRAME DWELLING

(2265) LINCOLN MANOR, Lot 32. Two  
 story and basement frame building.

Owner—S. A. Born Bldg. Co., 37th Ave.  
 and Shoreview Ave., S. F.

Architect—None.  
 Day's work. COST, \$5000

## FRAME DWELLING

(2266) W PEARBODY 114 and 153 N  
 Valitation. Two one-story and base-  
 ment frame dwellings.

Owner—R. Waldo, 1125 Colusa Ave.,  
 Berkeley.

Architect—None.  
 Contractor—James M. Rich, 940 Rail-  
 road Ave., San Francisco.

COST, \$3200 each

## FRAME CHURCH

(2267) SW DELTA AND RAYMOND.  
 One-story frame church.

Owner—Roman Catholic Archbishop of  
 San Francisco, 1100 Franklin, S. F.

Architect—None.  
 Day's work. COST, \$1000

## ALTERATIONS

(2268) NO. 1534 CLAY (rear). Alter  
 for three basement garages.

Owner—B. P. Renner, 25 Parnassus  
 Ave., San Francisco.

Architect—None.  
 Contractor—Chris Larsen & Son.

COST, \$600

## FOUNDATION

(2269) SE OLIVE AND VAN NESS  
 Aves. Concrete foundation.

Owner—Bothin Real Estate Co., 604  
 Mission, San Francisco.

Architect—J. A. Ettler, 604 Mission, St.,  
 San Francisco.

Day's work. COST, \$2000

## FOUNDATION

(2270) NO. 1734 NINTH AVE. Foundation for dwelling.  
Owner—Annie Broderick, Premises.  
Architect—None.  
Day's work. COST, \$500

## GARAGE

(2271) NE WASHINGTON AND BRODERICK (rear). One-story frame garage  
Owner—Geo. Gaffney, 2999 Washington  
San Francisco.  
Architect—None.  
Contractor—H. C. Lewis, 68 Post. S. F.  
COST, \$1250

## ADDITION

(2272) NO. 4227 TWENTY-FOURTH.  
Move dwelling and add three rooms.  
Owner—Mrs. Maria Holm, Premises.  
Architect—None.  
Contractor—H. Holm, 2247 24th. S. F.  
COST, \$2000

## FRAME STORE

(2273) S HAIGHT 100 W Shrader.  
One-story frame store.  
Owner—H. Kerstgla, 1805 Haight, S. F.  
Architect—None.  
Day's work. COST, \$1000

## ALTERATIONS

(2274) FOURTH AND MARKET. Install canopy ceiling.  
Owner—Market Street Realty Co. Portola Theatre), Premises.  
Designer—C. F. Cobblestick and A. T. Newsom, 220 Sharon Bldg., S. F.  
Contractor—W. A. Goerick, 55 New Montgomery, San Francisco.  
COST, \$1200

## MARQUEE

(2275) S MARKET 200 E Sixth. Erect Marquee.  
Owner—Strand Theatre, Premises.  
Architect—None.  
Contractor—Brumfield Elec. Sign Co., 18 7th, San Francisco.  
COST, \$2985

## GARAGE

(2276) S MISSION 175 W Sixth W 100 XS 160. All work except gasoline pump for one-story and basement concrete garage building.  
Owner—T. J. Neilan, 316 Bush, San Francisco.  
Architect—Paul F. Demarini and R. B. Cleghorn, 2123 Powell S. F.  
Contractor—G. B. Pasqualetti, 110 Jessie, San Francisco.  
Filed Oct. 17, '19. Dated Sept. 10, '19.  
Steel set in main floor.....\$ 4,000  
concrete poured to main floor. 4,000  
Steel set in roof and fire walls 5,000  
Concrete poured up to top of fire walls ..... 5,000  
Completed and accepted..... 10,125  
Usual 35 days..... 9,375  
TOTAL COST, \$37,500  
Bond, \$18,750. Sureties, Marina C. Bricea and Antonio Laiolo. Limit, 90 days. Forfeit, none. Plans and specifications filed.

## RESTORE BUILDING

(2277) NO. 442-452 SECOND ST. bet. Harrison and Silver. All work to restore building damaged by fire (warehouse).  
Owner—Joseph Bier, 2302 Steiner, San Francisco.  
Architect—None.  
Contractor—Cameron & Disston, Hearst Bldg., San Francisco.  
Filed Oct. 17, '19. Dated Oct. 16, '19.  
On 1st and 15th of each month 75%

On completion ..... Balance  
Contractor to receive actual cost plus 10%.  
Bond, none. Limit, as soon as possible.  
Forfeit, plans and specifications, none.

## FRAME DWELLING

(2278) E SAN PABLO 950 E Portola.  
Two-story and basement frame dwlg  
Owner—Garden Homes Co., 278 Post, San Francisco.  
Architect—H. H. Gutterston, 278 Post, San Francisco.  
Contractor—John Bjorkman, 115 Seville, San Francisco.  
COST, \$6163

## REPAIRS

(2279) NOS. 16-18-20 GEARY. Repair fire damage.  
Owner—Thos. Magee & Son, 14 Montgomery, San Francisco.  
Architect—None.  
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.  
COST, \$1800

## ALTERATIONS

(2280) NO. 633 BRODERICK. Alter present three flats into two flats.  
Owner—H. Daseking, 336 Pierce, S. F.  
Architect—None.  
Day's work. COST, \$1500

## ALTERATIONS

(2281) NO. 895 MARKET. Alter store front.  
Owner—Albert Samuels Co., Premises.  
Architect.  
Contractor—Mullen Mfg. Co., 64 Hausch, San Francisco.  
COST, \$2000

## FRAME DWELLINGS

(2282) W EASTWOOD 125 and 165 N Wildwood Way. Two one-story and basement frame dwellings.  
Owner—C. A. Hall, 1361 4th Ave., S. F.  
Architect—None.  
Day's work. COST, \$3000 each

## FRAME DWELLING

(2283) W ELMIRA 225 N Augusta.  
One-story and basement frame dwlg.  
Owner—Hugo Larsen, 67 Waterville, San Francisco.  
Architect—None.  
Day's work. COST, \$1000

## ALTERATIONS

(2284) NE BRYANT AND 24th. New front, ratproofing, etc.  
Owner—Chas. Harkins, 2577 Bryant, San Francisco.  
Architect—None.  
Contractor—Mager Bros., 1318 Valencia, San Francisco.  
COST, \$600

## ADDITION

(2285) NOS. 358-74 PINE. Add one-room on roof.  
Owner—Sophronia T. Hooper.  
Engineer—M. Couchot, 110 Sutter St., San Francisco.  
Contractor—D. W. Ross, 180 Jessie St., San Francisco.  
COST, \$978

## COMPLETE HOSPITAL

(2286) BUENA VISTA AND PARK Hill Aves. Concrete, plastering, masonry, painting, carpentry and tile work for completion of a certain portion of St. Joseph's Hospital, comprising boiler room annex together with an adjacent section of the main building.

Owner—St. Joseph's Home & Hospital (a corp), Premises.  
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.  
Contractor—Fennell & Chisholm, 180 Jessie, San Francisco.  
Filed Oct. 18, '19. Dated Oct. 17, '19.  
On 1st of each month..... 75%  
TOTAL COST, \$50,340  
Bond, \$26,000. Sureties, D. J. Sullivan, John McGuigan and John W. Bender. Limit, 150 days. Forfeit, none. Plans and specifications filed.

## LEASE.

## San Francisco County.

Oct. 17, 1919—NO. 982 MARET N line bet. Mason and Taylor. Louis Friedlander to Geo. C. Condon. 5 years. Oct. 17, 1919—NO. 1039 MISSION. SE line bet. 6th and 7th. Sullivan Estate Co to Benj Delmas. 2 years. \$7200.  
Oct. 15, 1919—NO. 1638 MARKET NE Gough. French Invest Co to D. E. Anglum. 5 years. \$9000.

## 'CANCELLATION OF BUILDERS' CONTRACT.

Between Herman C. Baumann, owner, and Robert G. Black, contractor. Erection of building at lot 1, block 3197, Westwood Park.

## COMPLETION NOTICES.

## San Francisco County

Oct. 9, 1919—NE PULTON AND 15th. Ave E 37-63N 100. August Beyers to John Johnson.....Oct. 9, 1919  
Oct. 10, 1919—S CLINTON PARK, 210-6W Guerrero. 28-63S 15. John Lutich to whom it may concern.....Oct. 8, 1919  
Oct. 10, 1919—NE SACRAMENTO & Leidesdorff. Martin N. Tovaraz to Home Mfg. Co.....Oct. 3, 1919  
Oct. 11, 1919—NE ANZA & TWENTY-third Ave. Karl H. Holmgren to whom it may concern.....Oct. 11, 1919  
Oct. 11, 1919—N TARAVAL 107-6 W 31st Ave. E. J. Gallagher to whom it may concern.....Oct. 10, 1919  
Oct. 14, 1919—LOT 7 BLK 3165. Westwood Park. Hans Nelson to Nelson Bros.....Oct. 10, 1919  
Oct. 14, 1919—NO. 2600 McALLISTER. Alice M. Keating to whom it may concern.....Oct. 11, 1919  
Oct. 14, 1919—S GEARY 92-6 W Powell W 45xS 137-6. T. W. Corder Inc. to Branch & Coffey.....Oct. 19, 1919  
Oct. 14, 1919—W LEAVENWORTH 67-6 N Bush N 32-6xW 87-6. Oscar H. Curtaz to whom it may concern.....October 14, 1919  
Oct. 15, 1919—PTN LOTS 2 AND 3 Blk 2986. Claremont Court. John J. Bine Co and Alfred Friedman to whom it may concern.....Sept. 30, 1919  
Oct. 15, 1919—NW HOWARD 423 NE 2nd NE 50xNW 165. Waterhouse & Lester Co to Roscoe W. Littlefield.....Oct. 8, 1919  
Oct. 15, 1919—SE NINETEENTH Ave. and Judah S 27-6, E 130 S 25. W 120. N 25. John and Matilda Motrow to Ed Zinkand & Son.....Oct. 6, 1919  
Oct. 17, 1919—E VAN NESS AVE 25-6% S Ellis E 45-5% E 138-6 N 70 W 27-6 S 25-6% W 109. Jno T. Harnes Tr Nellie M. Lowry, Agnes Lowry and Isabel L. Soule to Paul K. Jones.....Oct. 16, 1919  
Oct. 17, 1919—SE BRYANT AND Tenth S 160x E 185. The Holmes Invest Co to Mission Concrete Co.....Oct. 10, 1919  
Oct. 17, 1919—N ANZA 80 W 23rd Ave. W 26-8xN 100. E. Mohler to whom it may concern.....Oct. 15, 1919  
Oct. 17, 1919—NW TWENTY-EIGHTH Ave. and Anza N 35xW 57-6. A. E. Thompson to whom it may concern.....Oct. 16, 1919  
Oct. 17, 1919—E THIRTY-SECOND Ave 50 N Geary 25x72. John Gray to David Leitch.....Oct. 17, 1919  
Oct. 17, 1919—W TWENTY-SECOND Ave 199-5 N Cabrillo 50x 120. Jas. E. Edmunds to C. S. Alfred. Oct. 16, '19

## BUILDING CONTRACTS.

## Alameda County.

3208	Norris	Norris	6000
3209	Sang	Owner	3000
3210	Noble	Noble	9000
3211	Fox	Newby	2000
3212	Houck	Houck	4000
3213	Hennings	Woodard	14000
3214	Steele	Pedgrift	2500
3215	Schomig	Schomig	2000
3216	Jackson	Jackson	1000
3217	Wo	Kofd Ref	3000
3218	Dalmert	Lewis	1500
3219	Schroder	Schroder	1300
3220	Riskins	Riskins	400
3221	S P	Paraffine	1680
3222	Hipsley	Begur	937
3223	Bames	Schmidt	600
3224	Hood	Hood	600
3225	Massip	Schnebley	750
3226	Colby	Cook	400
3227	White	White	400
3228	Gallagher	Levingston	1400
3229	Healy	Owner	1750
3230	Shady	Ahnefeldt	800
3231	Koford	Kopf	4000
3232	Sadler	Sadler	1500
3233	Jones	Jones	1300
3234	Speed	Knight	400
3235	St. Joseph's	Smith	750
3236	Lockwood	Owner	500
3237	Foy	Williamson	450
3238	Keimick	Schnebley	800
3239	Lovejoy	Lovejoy	3900
3240	Steiner	Anderson	6000
3241	Haley	Haley	1200
3242	Sang	Sang	2500
3243	Olson	Olson	3000
3244	Shipport	Nickerson	3000
3245	Raffetta	Edwards	400
3246	Eck	Eck	500
3247	Bryant	Anderson	1500
3248	Baldwin	Owner	500
3249	Perfection	Fortin	400
3250	Feaser	Feaser	450
3251	Hicks	Hicks	500
3252	Haraman	Owner	500
3253	S F Co.	Wocker	2380
3254	Berkeley	Gladding	3260
3255	Same	Scott	5478
3256	Same	Same	2987
3257	Same	Same	4479
3258	Banker	Wilson	11700
3259	Banker	Delger	3000
3260	Emeryville Inv	Owner	6000
3261	Lesure	Lesure	4000
3262	Gier	Boedeker	12500
3263	Lepp	Lima	475
3264	Bullock	Bullock	500
3265	MacGregor	Owner	15000
3266	Cameron	Estey	400
3267	Shirk	Scannon	1000
3268	Huckel	Tranmal	400
3269	Gaba	Gaba	3000
3270	Reed	Reed	3000
3271	Strang	Strang	5500
3272	Same	Same	5500
3273	Same	Same	5000
3274	Haley	Rose	400

**DWELLINGS**  
 (3208) LOTS 16 AND 17 Lincoln Park Tract, Piedmont. Two two-story frame dwellings.  
 Owner—Justine Norris, 2828 Richmond Ave., Oakland.  
 Architect—None.  
 Day's work. COST, \$3000 each

**ALTERATIONS**  
 (3209) NO. 479 NINTH, Oakland.  
 Alter store.  
 Owner—Wing Sang, Premises.  
 Architect—None.  
 Day's work. COST, \$3000

**DWELLINGS**  
 (3210) S THIRTY-FIFTH 400, 440 & 480 W Telegraph Ave., Oakland.  
 Three one-story 5-room dwellings.  
 Owner—G. R. Noble, 2205 Santa Clara Ave., Alameda.  
 Architect—None.  
 Day's work. COST, \$3000 each

**DWELLING**  
 (3211) E EIGHTY-SIXTH AVE 125 N Dowling, Oakland. One-story five-room dwelling.  
 Owner—Geo. H. Fox.  
 Architect—None.

Contractor—P. A. Newby, 2263 Auseon Ave., Oakland.

COST, \$2000

**DWELLING**  
 (3212) SE EVANS AND EVERETT Aves., Oakland. One-story 7-room dwelling.  
 Owner—H. L. Houck, 4555 Park Blvd., Oakland.  
 Architect—None.  
 Day's work. COST, \$4000

**APARTMENTS**  
 (3213) SE PARK BLVD & WELLINGTON, Oakland. Two-story stores and apartments.  
 Owner—Edw. Hennings, San Francisco  
 Architect—None.  
 Contractor—E. W. Woodard, 4025 Brighton Ave., Oakland.  
 COST, \$14,000

**ALTERATIONS**  
 (3214) NO. 533 APGAR, Oakland.  
 Alter dwelling into apartments.  
 Owner—Mrs. J. E. Steele, Premises.  
 Architect—None.  
 Contractor—Jas. H. Pedgrift, 565 16th, Oakland.  
 COST, \$2500

**DWELLING**  
 (3215) N THOMPSON 41 E 45th Ave., Oakland. One-story 5-room dwlg.  
 Owner—A. Schomig, 4335 Thompson, Oakland.  
 Architect—None.  
 Day's work. COST, \$2000

**REPAIRS**  
 (3216) SEVENTEENTH AND WOOD, Oakland. Repairs.  
 Owner—Jackson Furniture Co., 1305 Clay, Oakland.  
 Architect—None.  
 Day's work. COST, \$1000

**ICE BOX**  
 (3217) NO. 461 NINTH, Oakland. Ice box.  
 Owner—Chin Wo Co., Premises.  
 Architect—None.  
 Contractor—Oakland Refrigerator Co., 2766 Grove, Oakland.  
 COST, \$3000

**ALTERATIONS**  
 (3218) NW FIFTY-FOURTH AND ALLEN, Oakland. Alterations.  
 Owner—F. Dalmert, Premises.  
 Architect—None.  
 Contractor—M. H. Lewis, 982 56th, Oakland.  
 COST, \$1500

**DWELLING**  
 (3219) N TULIP 300 E Madrone, Oakland. One-story 4-room dwelling  
 Owner—A. G. Schroder, Oakland.  
 Architect—None.  
 Day's work. COST, \$1300

**ALTERATIONS**  
 (3220) NO. 951 LAKESHORE AVE., Oakland. Alterations.  
 Owner—A. Riskins, Premises.  
 Architect—None.  
 Day's work. COST, \$400

**ROOFING**  
 (3221) OAKLAND MOLE, Oakland.  
 Roofing.  
 Owner—Southern Pacific Co.  
 Architect—None.  
 Contractor—Paraffine Paint Co., 565 16th, Oakland.  
 COST, \$1680

**SHED**  
 (3222) S E-FOURTEENTH 50 W 86th Ave., Oakland. Shed.  
 Owner—M. Hipsley, 8527 E-14th, Okd.  
 Architect—None.  
 Contractor—Begur & Hememan, Okd.  
 COST, \$937

**ADDITION**  
 (3223) NO. 1554 BRIDGE AVE., Oakland. Addition.  
 Owner—J. N. Bames, Premises.  
 Architect—None.  
 Contractor—B. H. Schmidt, 2237 E-19th, Oakland.  
 COST, \$400

**ALTERATIONS**  
 (3224) NO. 3059 GEORGIA, Oakland. Alterations and additions.  
 Owner—Myrtle Hood, 3309 E-8th, Okd.  
 Architect—None.  
 Contractor—Thomas Hood, 3309 E-8th, Oakland.  
 COST, \$609

**REPAIRS**  
 (3225) NO. 925 THIRTY-EIGHTH, Oakland. Fire repairs.  
 Owner—Lee Massip, Premises.  
 Architect—None.  
 Contractor—Schnebley & Hostrawser, 6th and Jackson, Oakland.  
 COST, \$750

**ALTERATIONS**  
 (3226) NO. 821 E-TWELFTH, Oakland. Alterations.  
 Owner—Geo. W. Colby, 827 E-12th, Oakland.  
 Architect—None.  
 Contractor—E. P. Cook, 1744 13th Ave, Oakland.  
 COST, \$400

**GARAGE**  
 (3227) NO. 2116 BLAKE, Berkeley. Garage.  
 Owner—M. A. White, 2124 Blake, Bkly.  
 Architect—None.  
 Day's work. COST, \$400

**ALTERATIONS**  
 (3228) NO. 2631 FULTON, Berkeley. Alterations.  
 Owner—Geo. A. Gallagher, Premises.  
 Architect—None.  
 Contractor—Wm. Livingston, 2918 Ellis Berkeley.  
 COST, \$1400

**DWELLING**  
 (3229) NO. 1216 TALBOT AVE., Berkeley. One-story 4-room dwlg.  
 Owner—Mary C. Healy, 842 37th, Okd.  
 Architect—None.  
 Contractor—P. J. Healy, 842 37th, Okd.  
 COST, \$1750

**GARAGE**  
 (3230) NO. 110 THE UPLANDS, Berkeley. Garage.  
 Owner—A. V. Sherry, Premises.  
 Architect—None.  
 Contractor—Ahnefeldt & Brennan, 3108 Harper, Berkeley.  
 COST, \$800

**DWELLING**  
 (3231) BROADWAY AND CENTRAL AVE., Alameda. One and one-half-story 6-room dwelling.  
 Owner—Albert F. Koford, 2518 Lincoln Ave., Alameda.  
 Architect—None.

Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland.

COST, \$4000

#### DWELLING

(3232) NO. 451 LINCOLN AVE., Alameda. One-story 5-room dwelling.  
Owner—F. C. Sadler, 419 Lincoln Ave., Alameda.

Architect—None.

Day's work.

COST, \$1500

#### DWELLING

(3233) NINTH bet. Pacific and Buena Vista, Alameda. One-story 4-room dwelling.

Owner—L. E. Jones, 722 Lincoln Ave., Alameda.

Architect—None.

Day's work.

COST, \$1300

#### GARAGE

(3234) SAN JOSE AND MOUND, Alameda. Garage.

Owner—T. Speed, Premises.

Architect—None.

Contractor—H. C. Knight, 2265 Powell Blvd., Alameda.

COST, \$400

#### TEMPORARY BLDG.

(3235) SAN ANTONIO AND LAFAYETTE, Alameda. Temporary building.

Owner—St. Joseph's Parish.

Architect—None.

Contractor—J. W. Smith, 2109 Santa Clara Ave., Alameda.

COST, \$750

#### ALTERATIONS

(3236) NO. 549 SANTA CLARA AVE., Alameda. Alterations.

Owner—L. Lockwood, 717½ Haight Ave., Alameda.

Architect—None.

Day's work.

COST, \$500

#### ALTERATIONS

(3237) NO. 1200 ST. CHARLES, Alameda. Alterations.

Owner—Mark Foy, Premises.

Architect—None.

Contractor—E. M. Williamson, 3731 Allendale Ave., Oakland.

COST, \$450

#### ADDITION

(3238) NO. 1208 ST. CHARLES, Alameda. Addition.

Owner—Geo. Kelmick, Premises.

Architect—None.

Contractor—Schnebly & Hostrawser, 6th and Jackson, Oakland.

COST, \$800

#### DWELLING

(3239) E EMERSON 200 S E-37th, Oakland. Two-story 6-room dwlg.

Owner—L. H. and F. V. Lovejoy, 1309 E-37th, Oakland.

Architect—None.

Day's work.

COST, \$3900

#### STORE.

(3240) SE COLLEGE AND KEITH Aves., Oakland. One-story stores.

Owner—J. J. Steiner, Premises.

Architect—L. A. Bryant, 1st National Bank Bldg., Oakland.

Contractor—Anderson & Bryant, 5654 College Ave., Oakland.

COST, \$6000

#### APARTMENTS

(3241) S CHENEY 48 E Walker Ave., Oakland. Two-story 18-room apartments.

Owner—H. W. Haley, 559 16th, Oakland.

Architect—None.

Day's work.

COST, \$12,000

#### MARKET

(3242) S NINTH 150 W Broadway (rear), Oakland. Two-story brick market.

Owner—Wing Sang Co., 479 9th, Okk.

Architect—None.

Day's work.

COST, \$2500

#### DWELLING

(3243) S FORTY-THIRD 120 E Grove, Oakland. One-story 5-room dwlg.

Owner—Alfred Olson, 565 16th, Okk.

Architect—None.

Day's work.

COST, \$3000

#### DWELLING

(3244) NW FAIRVIEW & TREMONT Oakland. One-story 5-room dwlg.

Owner—G. E. Davenport, 348 63rd, Oakland.

Architect—None.

Contractor—George Nickerson, 1901 Buena Vista Ave., Alameda.

COST, \$3000

#### RESHINGLE

(3245) NW FIFTH AND MYRTLE, Oakland. Reshingle.

Owner—L. Raffetta, Premises.

Architect—None.

Contractor—H. J. Edwards, 1215 Poplar, Oakland.

COST, \$100

#### DWELLING

(3246) N FORTY-NINTH 80 W Lawton Ave., Oakland. One-story 3-room dwelling.

Owner—J. L. Eck, 1114 Kirkham, Okk.

Architect—None.

Day's work.

COST, \$500

#### ADDITION

(3247) NO. 495 JEAN, Oakland. Addition.

Owner—L. A. Bryant, Premises.

Architect—None.

Contractor—Anderson & Bryant, 5654 College Ave., Oakland.

COST, \$1500

#### ADDITION

(3248) NO. 3676 MADRONE AVE., Oakland. Addition.

Owner—Thos. E. Baldwin, Premises.

Architect—None.

Day's work.

COST, \$500

#### SHOP

(3249) W BROADWAY 100 N 21st, Oakland. One-story brick tire shop.

Owner—Perfection Tire Sales Co., 2115 Broadway, Oakland.

Architect—None.

Contractor—O. V. Fortin, 2359 Waverly, Oakland.

COST, \$400

#### ADDITION

(3250) NO. 2276 HOPKINS, Oakland. Addition.

Owner—Lillian Feaser.

Architect—None.

Day's work.

COST, \$450

#### ADDITION

(3251) NO. 1441 EIGHTY-FIRST AVE., Ave., Oakland. Addition.

Owner—A. L. Hicks, Premises.

Architect—None.

Day's work.

COST, \$500

#### DWELLING

(3252) S WISCONSIN 200 W Midvale, Oakland. One-story 3-room dwlg.

Owner—Jas. H. Haraman, Wisconsin and Midvale, Oakland.

Architect—None.

Day's work.

COST, \$500

#### ADDITIONAL CONTRACTS FILED.

S. P. Co., owner, with A. C. Woecker, contractor; painting, etc., of interior of 16th St. Station, Oakland, Cost, \$2,380.

Board of Education of Berkeley with Gladding-McLean Co. contractor, for tile roof work for addition to school on Telegraph Ave. between Ward and Stuart streets, Berkeley, Cost, \$2260.

Same with Scott Co. for heating and ventilating for same. Cost, \$5,476.

Same with same for heating and ventilating for school on S Oregon street between Grant street and McGee avenue. Cost, \$2,997.

Same with same for heating and ventilating for school on University avenue between Curtis and Bonar streets, Berkeley. Cost, \$4,479.

#### PAINTING, ETC.

(3253) SIXTEENTH ST. STATION, Oakland. Painting, etc., interior of 16th St. Station.

Owner—Southern Pacific Company.

Architect—None.

Contractor—A. C. Woecker, 1370 Sutter St., San Francisco.

Filed Oct. 16, '19. Dated Oct. 3, '19.

Each month ..... 75%

Usual 35 days ..... 25%

TOTAL COST, \$2830

Bond, \$1800. Surety, Hartford Accident

& Indemnity Co. Limit, 30 days.

Forfeit, none. Specifications only filed.

#### TILE WORK

(3254) E TELEGRAPH AVE. bet. Ward and Stuart, Berkeley. Tile roof work for alterations and additions to Francis Willard School.

Owner—The Board of Education of the City of Berkeley & Berkeley School District in the County of Alameda, State of California.

Architect—James W. Plachek, 2014

Shattuck Ave., Berkeley.

Contractor—Gladding, McBean & Co., Crocker Bldg., San Francisco.

Filed Oct. 15, '19. Dated Oct. 6, '19.

1st Saturday after 1st Tuesday of

each month ..... 75%

Usual 35 days ..... 25%

TOTAL COST, \$2860

Bonds, \$815 and \$1630. Surety, Globe

Indemnity Co. Limit, 50 days.

Forfeit, none. Plans and specifications,

none.

#### (3255) HEATING & VENTILATING

on above.

Contractor—Scott Co., 381-383 11th St., Oakland.

Filed Oct. 15, '19. Dated Sept. 25, '19.

Payments same as above.....

TOTAL COST, \$5476

Bonds, \$1369 and \$357. Surety, New

Amsterdam Casualty Co. Limit, 50

days. Forfeit, plans and specifications,

none.

#### HEATING SYSTEM, ETC.

(3256) S OREGON bet. Grant and McGee Ave., Berkeley. All work for

heating and ventilating on Edison

School

Owner—The Board of Education of the City of Berkeley & Berkeley School District in the County of Alameda, State of California.

Architect—Walter H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.  
Contractor—Scott Co., 381-383 11th St., Oakland.

Filed Oct. 15, '19. Dated Sept. 25, '19. 1st Saturday after 1st Tuesday of each month ..... 75%  
Usual 35 days ..... 25%

TOTAL COST, \$2997

Bonds, \$1499 and \$750. Surety, New Amsterdam Casualty Co. Limit, as progress of building permits. Forfeit, plans and specifications, none.

#### HEATING SYSTEM, ETC.

(3257) S UNIVERSITY AVE bet. Curtis and Bonar, Berkeley. All work for heating and ventilating on Burbank School.

Owner—The Board of Education of the City of Berkeley & Berkeley School District in the County of Alameda, State of California.

Architect—Walter H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.  
Contractor—Scott Cor., 243 Minna St., San Francisco.

Filed Oct. 15, '19. Dated Sept. 25, '19. 1st Saturday after 1st Tuesday of each month ..... 75%  
Usual 35 days ..... 25%

TOTAL COST, \$4479

Bonds, \$1120 and \$2240. Surety, New Amsterdam Casualty Co. Limit, as building progresses. Forfeit, plans and specifications, none.

#### DWELLING

(3258) SV ELSIE and HARWOOD Aves., Oakland. Two-story 10-room dwelling.

Owner—B. A. Banker, 5436 Boyd Ave., Oakland.

Architect—None.  
Contractor—Leslie R. Wilson, 2216 Blake, Berkeley.

COST, \$11,700

#### ALTERATIONS

(3259) S FOURTEENTH bet. Broadway and Washington, Oakland. Alter office building.

Owner—Delger Estate, Premises.

Architect—Walter Mathews, 927 Broadway, Oakland.  
Day's work. COST, \$3000

#### DWELLINGS

(3260) S FORTY-SIXTH 350 and 390 W West, Oakland. Two one-story 5-room dwellings.

Owner—Emeryville Investment Co., 1st National Bank Bldg., Emeryville.

Architect—None.  
Day's work. COST, \$3000 each

#### DWELLING

(3261) S FOREST 70 E Miles Ave., Oakland. Two-story 6-room dwelling

Owner—E. T. Lesure, 484 Forest, Okd.  
Architect—Edward E. Young, 251 Kearny, San Francisco.

Day's work. COST, \$4000

#### DWELLINGS

(3262) E MITCHELL 92, 126, 160, 194 and 228 S E-16th, Oakland. Five one-story 5-room dwellings.

Owner—Theo. Gier.  
Architect—None.

Contractor—Jos. Boeddeker, 1811 31th Ave., Oakland.

COST, \$2500 each

ALTERATIONS  
(3263) NO. 5133 E-FOURTEENTH, Oakland. Alterations.

Owner—E. Lapp, Premises.  
Architect—None.  
Contractor—M. Lima, 5108 E-14th, Okd.

COST, \$475

#### ALTERATIONS

(3264) NO. 942 BAY VIEW AVE., Oakland. Alterations.

Owner—P. A. Bullock, Premises.  
Architect—None.  
Day's work. COST, \$500

#### DWELLINGS

(3265) N BERKELEY WAY 140.66, 175.66, 210.66, 245.66, 280.66 and 315.66 E Acton, Berkeley. Six one-story 6-room dwellings.

Owner—C. M. MacGregor, 470 13th St., Oakland.

Architect—None.  
Day's work. COST, \$2500 each

#### GARAGE

(3266) NO. 1516 L.G. ROY, Berkeley. Garage.

Owner—H. H. Camper, Premises.  
Architect—None.  
Contractor—G. F. Estey, 1815 Hearst Ave., Berkeley.

COST, \$400

#### DWELLING

(3267) NO. 1701 HEARST AVE., Berkeley. One-story 4-room dwelling.

Owner—D. L. Shirk.  
Architect—None.  
Contractor—R. R. Scammon, 1719 Hearst Ave., Berkeley.

COST, \$1000

#### ADDITION

(3268) NO. 2523 HASTE, Berkeley. Addition.

Owner—Jno. Huckel, 2520 Channing Way, Berkeley.

Architect—None.  
Contractor—Enoch Trammal, 854 54th, Oakland.

COST, \$400

#### DWELLING

(3269) W LOCKSLEY AVE 210 N Clifton, Oakland. One-story 6-room dwelling.

Owner—J. W. Gaba, 5782 Shafter Ave., Oakland.

Architect—None.  
Day's work. COST, \$3000

#### DWELLING

(3270) W ADELIN 35 N 56th, Oakland. One-story 5-room dwelling.

Owner—C. W. Reed, 5617 Adeline, Okd.  
Architect—None.

COST, \$3000

#### DWELLING

(3271) N EXCELSIOR BLVD. opp Athol Ave., Oakland. Two-story 7-room dwelling.

Owner—F. N. Strang, 1405 Central Ave., Alameda.

Architect—None.  
Day's work. COST, \$5500

#### DWELLING

(3272) N EXCELSIOR BLVD 50 E Athol Ave., Oakland. Two-story 7-room dwelling.

Owner—F. N. Strang, 1405 Central Ave., Alameda.

Architect—None.

Day's work. COST, \$5500

#### DWELLING

(3273) S MANDANA BLVD. 450 W Carlstor Oakland. Two-story 6-room dwelling.

Owner—F. N. Strang, 1405 Central Ave., Alameda.

Architect—None.  
Day's work. COST, \$5000

#### ALTERATIONS

(3274) NO. 3016 E-TWENTY-SECOND, Oakland. Alterations.

Owner—T. R. Haley.  
Architect—None.  
Contractor—A. H. Rose & Co., 525 17th, Oakland.

COST, \$400

### COMPLETION NOTICES.

#### Alameda County.

#### Recorded

#### Accepted

Oct. 6, 1919—(1) E 82½ LOTS 1 AND 2 Bk 9 4th W Terrace; (2) Lot 44 Bk G, 4th Ave. Terrace, Okd., Grace C Woodburn to whom it may concern.....Oct. 1, 1919

Oct. 6, 1919—S CENTRAL AVE 110 from E line Park E 39.6 S 180 W 39.6 N 175, ....., Clement Bonnemazou to Schnebly & Hostrawner.....Sept. 29, 1919

Oct. 7, 1919—W SUTER 255.27 W High SW 98.26XNE 35, Okd. Waterfront Sash & Door Co. to W J Moore.....Oct. 7, 1919

Oct. 8, 1919—(1) LOTS 21 AND 22 Bk 5; (2) Lots 23 and 24 and NE 10 Lot 25 Bk 5; (3) SW 15 Lot 25, Lot 26 and NE 10 Lot 27 Bk 5, Map Anseon's Moss Tract, Okd. R J Pavert Inc to whom it may concern.....Oct. 4, 1919

Oct. 8, 1919—S DAYTON AVE 195 E Grand, Ala. Helen E Davis to Chas Burton.....Sept. 28, 1919

Oct. 9, 1919—E MILES AVE 40 S Forest, Okd. E T Lesure to whom it may concern.....Oct. 6, 1919

Oct. 9, 1919—N SEVENTH ST. bet 100 E Alice St. E 103, N 200, W 94, S 100, W 9, S 100, William G. Henshaw to Mealey & Collins.....Oct. 7, 1919

Oct. 10, 1919—E BRUSH ST. if extended south 35 deg. S 1st St. E 79X S 70, Oakland, Pacific Gas & Electric Co. to W. P. Fuller & Co.....Oct. 4, 1919

Oct. 16, 1919—E 10 LOT 97 and W 35 Lot 98 Map 4th Ave Terrace Extension, Okd. Katherine Houck to Harry L Houck.....Oct. 14, 1919

Oct. 17, 1919—NO. 2417 DELMAR ST. bet Campbell and Peralta, Okd. Allen E King to whom it may concern.....Oct. 1, 1919

Oct. 15, 1919—W HENRY 240 N Cedar 35X135; W Henry 400 N Cedar 50X 135. Edith and Bessy Sprague by F R Peake to F R Peake, Oct. 1, 1919

Oct. 17, 1919—NO. 2417 DELMAR ST. Okd. N Morlan to C M Dean.....October 14, 1919

.....October 14, 1919

.....October 14, 1919

.....October 14, 1919

.....October 14, 1919

.....October 14, 1919

.....October 14, 1919

.....October 14, 1919

.....October 14, 1919

.....October 14, 1919

.....October 14, 1919

Contractor—M. Perrino, 160 Race St., San Jose.

COST, \$1600

### BUILDING CONTRACTS.

#### Santa Clara County.

#### FRAME COTTAGE

W TWELFTH near Santa Clara St., San Jose. All work except finish hardware and heating for one-story frame cottage and garage.

Owner—Joseph Richards, 2 S-13th St., San Jose.

Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Contractor—J. E. Perkins, 1562 E-Santa Clara St., San Jose.

Filed Oct. 6, '19. Dated Oct. 3, '19.

Concrete foundation in and frame up .....

1st coat plaster on house... 1087.50

Frame completed and roof sheathed .....

House and garage completed 1087.50

Usual 35 days..... 1450.00

TOTAL COST, \$5800.00

Bond, \$3000. Sureties, James H. Pierce

and J. P. Jarman. Limit, 60 working

days from Oct. 6. Forfeit, none. Plans

and specifications filed.

#### FRAME RESIDENCE

HANCHETT TRACT, San Jose. All work for one-story frame residence.

Owner—G. P. Nelson, 160 Auzerals St., San Jose.

Architect—Wolfe & Higgins, 93 Auzerals Bldg., San Jose.

Contractor—John F. Dowle, 43 Grand St., San Jose.

Filed Oct. 7, '19. Dated Oct. 2, '19.

Frame up .....

1st coat plaster on .....

Finished and accepted..... 1375

Usual 35 days..... 1375

TOTAL COST, \$5500

Bond, \$2750. Sureties, J. V. Chase and

S. H. Chase. Limit, 100 working days

from Oct. 2, 1919. Forfeit, \$2 per day.

Plans and specifications filed.

#### ALTERATIONS

SAN JOSE. All work for alterations on warehouse and garage at Distributing Station.

Owner—Associated Oil Co. of Calif., Engineer—A. F. L. Bell.

Contractor—R. O. Summers, 17 N-1st St., San Jose.

Filed Oct. 4, '19. Dated Sept. 20, '19.

Completed and accepted..... 75%

Usual 35 days..... 25%

TOTAL COST, \$5202.50

Bond, \$5200. Surety, Hartford Accident

& Indemnity Co. of Connecticut. Limit, forfeit, none. Plans and specifications

filed.

#### COTTAGE

S THIRTEENTH ST. near William St., San Jose. One-story cottage.

Owner—S. D. Williams, 341 S-15th St., San Jose.

Architect—None.

Day's work. COST, \$3400

#### REPAIR SHOP

PLEASANT AND JULIAN STS., San Jose. Repair shop.

Owner—Rean Spray Pump Co., Julian and Terraine, Sts., San Jose.

Architect—None.

Contractor—R. O. Summers, 17 North First St., San Jose.

COST, \$7819

ADDITION  
DELMAS AND COLFAX STS., San Jose. Addition.  
Owner—Andy Viet, 610 Delmas St., San Jose.  
Architect—None.  
Day's work. COST, \$1000

### COMPLETION NOTICES.

#### Santa Clara County.

Recorded Accepted  
Oct. 6, 1919—SE SIXTH AND ST. James Sts., San Jose. Salvatore and Mary Piazza to Frank L Hoyt ..... Oct. 4, 1919  
Oct. 9, 1919—CAMPUS OF STANFORD University, Palo Alto. Mrs Lou Henry Hoover to H P Nelson ..... Oct. 4, 1919  
Oct. 10, 1919—NAGLEE PARK TCT, San Jose. A M Whiteside to whom it may concern..... Oct. 10, 1919

### BUILDING CONTRACTS.

#### Sacramento County.

ALTERATIONS  
NO. 3349 SECOND AVE., Sacramento. Alter restaurant.  
Owner—W. Erwin, 3353 2nd Ave., Sacramento.  
Architect—None.  
Day's work. COST, \$1000

FRAME DWELLINGS  
E ½ LOTS 6 AND 7 V, W, 23rd and 24th Sts., Sacramento. Two one-story frame dwellings.  
Owner—Walter J. Taylor, 1529 "K" St., Sacramento.  
Architect—None.  
Contractor—Jas. A. McCullough, 1015 23rd St., Sacramento.  
Filed Oct. 11, '19. Dated Oct. 8, '19.  
COST, \$3925 each

BUILDING  
NO. 1215 THIRTY-EIGHTH ST., Sacramento. Building.  
Owner—Jess I. Lubin, 3333 Serra Way, Sacramento.  
Architect—None.  
Contractor—E. A. Corum, 2533 Portola Way, Sacramento.  
Filed Oct. 1, '19. Dated Oct. 10, 19.  
COST, \$11,405

BUILDING  
S 75 N 200 Lot-9 Tullar Tract, Sacramento. Two-story building.  
Owner—C. B. McKee, 308 Mitau Bldg., Sacramento.  
Architect—None.  
Contractor—C. J. Guth, 1516 27th St., Sacramento.  
Filed Oct. 11, '19. Dated Oct. 7, '19.  
COST, \$10,646

FRAME RESIDENCE  
NO. 514 THIRTY-FIRST ST., Sacramento. Two-story 6-room frame residence.  
Owner—G. C. Moore, Victoria, B. C.  
Architect—None.  
Contractor—J. Edenhofer, 3027 4th Ave., Sacramento.  
COST, \$3700

FRAME RESIDENCE  
NO. 411 "W" ST., Sacramento. Two-story 6-room frame residence.  
Owner—Fong Chang, 1113 3rd St., Sacramento.  
Architect—None.  
Contractor—G. E. Brown, Sacramento.  
COST, \$2400

RESIDENCE  
NO. 1111 FORTY-FIRST ST., Sacramento. Two-story frame residence.  
Owner—W. L. Evans, 1015 Dolores St., Sacramento.  
Architect—None.  
Contractor—C. J. Hopkinson, 1318 25th St., Sacramento.  
COST, \$6500

RESIDENCES  
NOS. 320 AND 343 THIRTY-SECOND ST., Sacramento. Two one-story 5-room frame residences.  
Owner—D. C. Carmichael Co., 1005 8th St., Sacramento.  
Architect—None.  
Contractor—J. Omand.  
COST, \$3000 each

ALTERATIONS  
NO. 807 "K" ST., Sacramento. Remodeling shoe store.  
Owner—Henry Haas, Premises.  
Architect—None.  
Contractor—G. E. Stahl, San Francisco Bldg., Sacramento.  
Filed Oct. 6, '19. Dated Oct. 6, '19.  
COST, \$5165

ALTERATIONS  
NO. 2710 "M" ST., Sacramento. Remodel residence.  
Owner—C. C. Robertson, Premises.  
Architect—None.  
Contractor—G. E. Harvie, 2212 "T" St., Sacramento.  
COST, \$2000

ALTERATIONS  
NO. 1106 FIFTH ST., Sacramento. Remodel interior of store.  
Owner—J. T. Stoll, Stoll Bldg., Sacramento.  
Architect—None.  
Contractor—Sillier Bros., 1614 13th St., Sacramento.  
COST, \$2000

ALTERATIONS  
NO. 1021 THIRD ST., Sacramento. Alter interior of frame residence.  
Owner—M. E. Moisset, Oakland.  
Architect—None.  
Contractor—P. F. Reed, 2545 23th St., Sacramento.  
COST, \$1000

ADDITION  
NO. 1515 FORTY-EIGHTH AVE. Sacramento. Add 2 rooms and bath to dwelling.  
Owner—W. B. Pgwel, Premises.  
Architect—None.  
Day's work. COST, \$1000

### COMPLETION NOTICES.

#### Sacramento County.

Recorded Accepted  
Oct. 11, 1919—NW THIRTEENTH & "L" Sts., Sacramento. Associated Oil Co to whom it may concern..... Oct. 1, 1919

### BUILDING CONTRACTS.

#### Fresno County.

DWELLING  
INGERSOLL TRACT LOTS 10, 11, 12, Fresno. Frame dwelling and garage.  
Owner—Henry Derner, 445 "D" St., Fresno.  
Architect—None.  
Contractor—C. V. Smith, Fresno.  
COST, \$6800

## DWELLINGS

LOTS 1 AND 2 BLK 6 and Lot 9 Blk 22, Hazelwood, Fresno. Two frame dwellings and garages.

Owner—Ewing-McDaniel & Meux, Inc.,

1929 Fresno St., Fresno.

Architect—None.

Contractor—Reese & Atkins, 3643 Platt St., Fresno.

COST, \$2750 and \$2500

## DWELLING

LOT 1 NORTH VAN NESS TRACT, Fresno. Frame dwelling and garage

Owner—Mrs. Ziegler.

Architect—None.

Contractor—J. B. Hart, 3667 Grant St., Fresno.

COST, \$600

## FRAME DWELLING

LOTS 5 & 6 BLK 6, Grand Ave. Park, Fresno. Frame dwelling.

Owner—W. M. James, 245 White's Bridge, Fresno.

Architect—None.

Day's work.

COST, \$2000

## DWELLING

NO. 1447 "C" St., Fresno. Dwelling.

Owner—Tony Sapone, 1431 "E" St., Fresno.

Architect—None.

Day's work.

COST, \$2000

## DWELLING

LOT 10 W 1/2 Lot 11 Blk 22, Belmont Addition, Fresno. Frame dwelling.

Owner—M. C. R. Nelsen, 1245 "I" St., Fresno.

Architect—None.

Day's work.

COST, \$3000

## STORE

LOTS 11, 12 AND 13 BLK 25, Belmont Addition, Fresno. Store building.

Owner—Dow & Cannon, Fresno.

Architect—None.

Contractor—D. C. Cannon, Fresno.

COST, \$2000

## ALTERATIONS

LOTS 39 AND 40 North Park, Fresno. Alterations.

Owner—Mrs. Christopher.

Architect—None.

Contractor—Shorb & Neads, 127 Fresno Ave., Fresno.

COST, \$4500

## COMPLETION NOTICE.

## Fresno County.

Recorded Oct. 11, 1919—NW CORNER SEC. 8, 21-15 (Oil Well No. 9-A), Fresno. Associated Oil Co. to whom it may concern. . . . . Oct. 10, 1919

## BUILDING CONTRACTS.

## San Joaquin County.

## RESIDENCE

FLORA AND YOSEMITE STS., Stockton. Frame residence.

Owner—D. W. Reynolds, Stockton.

Architect—None.

Day's work.

COST, \$2000

## RESIDENCE

W WASHINGTON AND COMMERCE STS., Stockton. Residence.

Owner—J. F. Vaughn, Stockton.

Architect—None.

Day's work.

COST, \$1000

## RESIDENCE

E MARKET ST., bet. "D" and "E" Sts., Stockton. Frame residence.

Owner, J. H. Look.

Architect—None.

Day's work.

COST, \$2000

## ALTERATIONS

LANE'S ADDITION, Stockton. Remodel residence.

Owner—Hamsey-Emerson Co., Record Bldg., Stockton.

Architect—None.

Day's work.

COST, \$1000

## GARAGE

NO. 120 E-FREMONT ST., Stockton. Brick garage.

Owner—W. H. Gregg, 119 E-Lindsay St., Stockton.

Architect—None.

Day's work.

COST, \$3000

## FRAME DWELLING

W FLORA ST., bet. Yosemite & Stockton Sts., Stockton. Frame dwelling.

Owner—A. Vaio, Stockton.

Architect—None.

Day's work.

COST, \$3500

## RESIDENCE

YOSEMITE SUB-DIVISION, Stockton Residence.

Owner—Leta Westergard, Stockton.

Architect—None.

Day's work.

COST, \$1500

## ALTERATIONS

W FLORA AND N VAN BUREN STS., Stockton. Remodel building.

Owner—G. F. McNoble, 403 W-Flora St., Stockton.

Architect—None.

Day's work.

COST, \$1000

Architects O'Brien Bros., 240 Montgomery street, are preparing plans for a three-story and basement frame apartment house to be erected at the southeast corner of O'Farrell and Octavia streets to cost about \$30,000. The building will contain about eighteen two-room apartments.

Architect Arthur S. Bugbee, Sharon Bldg., is preparing plans for a one-story and basement reinforced concrete garage to be erected in this city at a cost of \$50,000. Further particulars will be given when the plans are completed.

Architect Bugbee has awarded a contract to Adam Arras, 65 Hoff avenue, for a one-story reinforced concrete garage to be erected on Hoff avenue near Sixteenth street.

Architect Washington J. Miller, 417 Market street, is preparing plans for a two-story brick factory building to be erected in Emeryville for the American Rubber Company. The structure, when completed, will represent an expenditure of \$100,000.

Architect Bernard J. Joseph, New Call Bldg., is completing plans for a one-story reinforced concrete store building to be erected in Vallejo for Harry Handlery. Plans were originally made for a five-story apartment and store building, but at this time only the store portion will be erected. A foundation capable of carrying five additional stories will be constructed.

Architect Joseph has awarded a contract to S. J. Weeks of Vallejo for the carpentry and glass work for the one-story steel frame and hollow tile theatre building to be erected for the Bell Amusement Company in Vallejo. The contract price is \$18,250.

Cameron & Disston, Hearst Bldg., have been awarded the contract for the restoration of the Caswell coffee warehouse on Second street near Harrison. The structure, owned by Jos. E. Bier, was recently destroyed by fire. It will cost about \$20,000 to restore the building.

The California & Hawaiian Sugar Refining Company has awarded a contract to Lindgren Company, Menadnock Bldg., for the erection of a two-story steel and concrete warehouse to be erected at Crockett, Contra Costa County. Plans for the building were prepared by the Engineering Department of the sugar company.

ORIENTAL SUPPLY SYNDICATE  
HANDLING LUDLOW-SAYLOR  
PRODUCTS ON THIS COAST.

The Oriental Supply Syndicate, San Francisco, has just been granted the exclusive West Coast representation of the famous line of Ludlow-Saylor Wire Products. Heretofore, they have sold large quantities of Ludlow-Saylor Wire Cloth, but could only approach the rice and grain people. The new representation covers wire cloth, screens, and wire products for every industry.

The Syndicate plans to increase its present large stocks of cloth so that they may be ready at all times to furnish mines, sugar refineries, rice, grain, cement and salt mills, etc., with cloth and screen for immediate shipments. In the past it has been necessary to order these supplies from the East.

PORTION OF HUGE ROAD PROGRAM  
AWARDED.

SEATTLE, Wash.—Warren Brothers Construction Co., Rialto Bldg., San Francisco, and Journal Bldg., Portland, Ore., submitted the only bid to the Pierce County Commissioners for paving 99 miles of roads under the recently voted \$2,500,000 bond issue. The bid was \$3,433,000 or more than \$923,000 above the estimate of the County Engineer.

After consideration the County Commissioners decided to award the company two sections of the work as follows:

One and three-quarters miles from Summer to the foot of Elhi hill, for \$47,032.82 and two miles in addition from Elhi hill for \$49,954.96. Both call for concrete construction and were below the engineer's estimate.

TO PURCHASE MATERIALS FOR  
STREET IMPROVEMENT.

BENICIA, Solano Co., Cal.—The City Trustees have authorized the mayor of the city to purchase the necessary rock and screenings to repair the streets in the vicinity of the Dominican Church.

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marquises  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum  
General Mill and Cabinet Work, Stock  
Doors, Sash Frames and Mouldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLACK  
AROMATIC RED CEDAR  
BITTUMWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
OREGON MAPLE-PLAN OAK  
QUARTERED OAK-  
WYBROCK BENDING OAK  
POPLAR-WALNUT



BORWICK-EBONY-IRONBARK  
JUNBERS-KOA-SPANISH OAK  
LIGNUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SPRITED GUM-GRASSM WILLET  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
BOWELS-TREENAILS-VEENCKS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUIT, Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

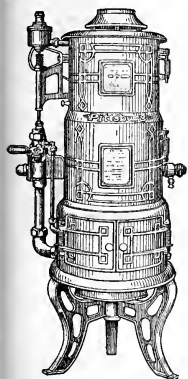
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., October 29, 1919

Published Every Wednesday  
Nineteenth Year, No. 44



## A BIG THING

New Model No. 65

"Pittsburg-  
Bungalow"

Automatic Water  
Heater.

Capacity three gallons  
per minute.

Just the size to fit the  
average two-story home  
or nice Bungalow.

A "Pittsburg" Automatic Gas  
Water Heater installed in the  
home indicates high quality  
throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not  
contain any liquid explosive ingredient.

Will not freeze Will not exude

Will not give off noxious gases

No thawing

No leaking

No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market

Fine and Sanitary PLUMBING

*Frank J. Klimm*  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill. ....	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago .....	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago .....	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago.....	TREASURER
C. E. DRAYER .....	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng., Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry. Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co.....	THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles.....	W. P. R. R.
F. Johnston.....	Union Const. Co.
L. D. Howland.....	C. C. Moore Co.
I. G. Grindel.....	Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown.....	S. P. R. R.
E. B. Crane.....	C. M. & P. S. Ry.
P. J. Rowell.....	I. C. C.

### COMPENSATION COMMITTEE

G. M. Nelson.....	Consulting Eng.
E. V. Vandercook.....	S. P. R. R.
W. T. Cleland.....	Chief Dep. Sur. Santa Clara Co.
V. D. Cousins.....	P. T. & T. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp.....	S. P. R. R.
EMPLOYMENT REPRESENTATIVE	

### MEMBERSHIP COMMITTEE

D. L. Reynolds.....	Pac. Fruit Ex. Co.
J. Amweg.....	Consulting Eng.
W. H. Rupp.....	S. P. R. R.
E. D. Brown.....	Redwood Mfrs. Co.
Clarence D. Stone.....	S. P. Co.
A. B. Hartley.....	S. P. Co.
H. W. Shrieber.....	City of Oakland.
F. E. Geibel.....	S. P. Co.
C. B. Newberry.....	Inter. Com. Com.
J. F. Johnston.....	Union Const. Co.
E. V. Vandercook.....	S. P. Co.

### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.
W. S. Wollner.....	N. W. P. Co.

### QUALIFICATION COMMITTEE

W. H. Phelps.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.

### PUBLICITY COMMITTEE

E. D. Brown.....	Redwood Mfrs. Co.
G. M. Nelson.....	Consulting Eng.

### POLITICAL COMMITTEE

E. H. Herbert.....	Oliver Mfg. Co.
--------------------	-----------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHAPTERS & CLUBS:

### SACRAMENTO CHAPTER

Lathrop, H. A.....	Secretary
1321 Thirty-third St.,	
Sacramento	California

### LOS ANGELES CHAPTER

Harris, A. L.....	Secretary
1104 Central Building	
Los Angeles	California

### PORTLAND CHAPTER

Barnes, R. W.....	Sec. & Treas.
36 Union Station	
Portland	Oregon

### FRESNO CHAPTER

Jean L. Vincenz.....	Secretary
P. O. Box 922	
Fresno	California

### SAN DIEGO CHAPTER

Grumm, Fred.....	Secretary
2388 Spruce Street	
San Diego	California

### SAN BERNARDINO CLUB

Woods, M. A.....	Secretary
608 Tenth Street	
San Bernardino	California

### EUREKA CLUB

Howard, F. W.....	Secretary
Eureka	California

devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

PUBLISHED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
560 Mission Street,  
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEADQUARTERS.

The new schedule of salaries for engineer employees of the United States Railroad Administration has been adopted in the Eastern and Allegheny Regions. In the Allegheny Region adjustments have been made in all positions paying less than five thousand dollars per annum and are effective September 1. The results from the Pennsylvania lines west of Pittsburgh are particularly satisfactory to the engineers as a result of the efforts made by the Pennsylvania Railroad Section, the first section organized by the American Association of Engineers.

The adjustments were made only after a searching investigation followed in the presentation by A. A. E. of the data to the regional director which showed the inadequacy of the salaries of engineer employees. Conditions were especially unsatisfactory on the Pennsylvania Lines West. One engineer, for instance, who was a college graduate of seven years' experience, was engineer in charge of a total of ten million dollars worth of construction, for which he received \$135.00 per month.

In the Eastern Region the adjustments are fairly satisfactory; at least of the New York Central and on the P. E., but it has not been ascertained whether or not they are sufficiently complete on the other roads in that region. It is possible that the American Association of Engineers will issue a questionnaire to engineers in this region to determine what further adjustments are required to bring salaries to the level established by the railroad conference in Chicago last March. The American Association of Engineers has obtained results on four regions of the United States Railroad Administration. The Northwestern Region was one of the first to authorize a new schedule, and it was followed by the Central Western Region, and the Eastern and the Allegheny Regions. Regional Director Bush of the Southern Region advises that he will have a representative confer with a representative of the Northwestern Region and that he will bring engineer employees in his region to the level established in the Northwestern.

The Board of Directors of the American Association of Engineers in its last meeting on October 11 adopted a resolution, announcing a militant attitude of the Association toward licensing and registration of en-

gineers. Every effort will be made to have a license bill enacted in every state in which there is none at present. Chapters were advised to appoint license committees, each of which is to co-operate with the National License Committee in drafting the national bill for adoption in all states. Action will be taken also to insure enforcement of existing license laws. The resolution states that "it shall be the duty of chapter committees to see that the law is enforced, both in letter and in spirit, and that such amendments are made to the law from time to time as experience renders advisable in order that the profession may be kept in a high plane."

That the employment service of the American Association of Engineers is beginning to occupy a strong position in the engineering profession is made evident by the fact that within the last month inquiries have been received for two eight thousand dollar man and one twelve thousand dollar man. There is a great surplus of positions vacant for draftsmen and junior engineers, paying \$200 a month and less. The Board of Directors of the Association at its meeting on October 11 adopted a resolution favoring the development of the Service Department until it is the most efficient employment service for engineers in the United States.

As an outgrowth of the resolution adopted at the last convention of the American Association of Engineers that a committee on publicity should be appointed to promote the non-technical interests of engineers in public service, the Board of Directors of the American Association of Engineers recently authorized the organization of a Federal Department of A. A. E.

This department will be composed of all engineers who are employed by the Federal Government and will have its headquarters in Washington. The engineers in the different departments and bureaus of the Government will be organized into sections which will be part of the Federal Department. Sections will be organized into local branches. There will be, for instance, the San Francisco Branch of the Navy Section of the Federal Department of the American Association of Engineers. Branches and sections will be subordinate to chapters having jurisdiction over the territories in which they are located.

The Federal Department will be financed in the same manner as the

railroad campaign was financed at the beginning; the engineers to be benefited by the department will be asked to subscribe from one to five dollars each to an organization fund, which will provide for the initial outlay and the expansion of the district office in Washington.

The railroad sections which have been organized by the American Association of Engineers during the last six months have justified their existence so well, and have performed in some cases such excellent service in assisting in the prosecution of the campaign for adequate salaries in the railroad field, that the Board of Directors of the Association has authorized the extension of the plan to other industries, so that sections may be formed wherever there is a special group who desires such an organization.

In each industry, each railroad, each branch of manufacturing, and wherever there is a group of engineers with common aims and work, there may be organized a section of A. A. E. Sections will be subordinate to the chapters which have jurisdiction in their respective sections of the country.

By a referendum vote of the membership of the American Association of Engineers, completed on October 15th, the entrance fee of the Association for 1920 was changed from \$6.00 to \$10.00. The change will be made on December 31.

The vote on the Plumb Plan by the membership of the American Association of Engineers, to which there was referred recently a copy of the Sims Bill (which provides for the adoption of the plumb Plan) with a request that it be read and an opinion arrived at irrespective of anything which had been read in other publications, indicated that the membership of the Association is opposed to the Plumb Plan by a sentiment of four to one.

Colonel Clarence S. Coe, member A. A. E., sailed from New York on October 15 to represent the head of the Advisory Mission to Serbia. Colonel Coe will have charge of the general rehabilitation of the railroads of Serbia and Jugia-Slavia. He is accompanied by his wife and son, and by Mr. J. H. Nelson, former general superintendent of the Florida East Coast Railway, and Captain McMillan, formerly of the Transportation Corps of the U. S. Army. Mr. Nelson and Captain McMillan will

be operating and mechanical advisors to Colonel Coe.

Colonel Coe graduated from the University of Minnesota in 1882 and since that time has been engaged in railroad maintenance and construction. In 1905 he became associated with the Florida East Coast Railway as division engineer. In this capacity and as engineer of maintenance of way he had charge of much of the bridge and submarine construction of that railroad, and of its general maintenance after its construction. Colonel Coe was appointed captain in the 17th Engineers, which was organized in Atlanta in 1917, and served in France for more than a year and a half as assistant to the section engineer of Base No. 1, St. Nazaire. Colonel Coe obtained the rank of full colonel in March, 1919, and was awarded the Cross of the Legion of Honor for meritorious service shortly afterwards.

Mr. Ray Dunlap, until recently assistant secretary at National Headquarters of the American Association of Engineers, has been appointed western secretary of A. A. E., and has left for the Pacific Northwest, where he will engage in development work for the Association before proceeding to California to assist in organization work in that state.

Mr. Dunlap, after pursuing an engineering course in the University of Missouri, was engaged in railroad engineering with the Great Northern Railway in valuation of structures for the Interstate Commerce Commission, and during the war was as assistant engineer on the construction of the army base at Norfolk, Virginia.

The Board of Directors of the American Association of Engineers has approved petitions of clubs of A. A. E. at Newport, Rhode Island; New Castle, Pennsylvania; and chapters at Globe, Miami, Arizona, and Terry Haute, Indiana. Chapter petitions which have not yet been acted upon have been received from Tulsa, Oklahoma, and Butte, Montana. Chapters were recently established at Columbus, Ohio; Ohio State University; Oil City, Pennsylvania; Buffalo, New York, and Bellaire, Ohio.

#### REGISTRATION OF OREGON PROFESSIONAL ENGINEERS.

The State Board of Engineering Examiners of Oregon is now fully organized and prepared to receive applications for registration of the professional engineers in Oregon, and others who expect to practice engineering in Oregon. The personnel and officers of the board are as follows:

F. S. Baillie, Baker, Oregon, mining engineer; R. R. Bartlett, Astoria, Oregon, civil engineer; C. A. Covell, Corvallis, Oregon, mechanical engineer; W. B. Dennis, Carlton, Oregon, mining engineer; F. Hesse, Portland, Oregon, mechanical engineer; E. G. Hopson, Portland, Oregon, hydraulic engineer; O. Laurgaard, Portland, Oregon, civil engineer; J. H. Lewis, Vale, Oregon, hydraulic engineer; P. D. Weber, Portland, Oregon, electrical engineer.

The board has held several meetings to date and has worked out and adopted complete by-laws, rules and regulations for the government of the action

of the members of the board and methods for holding examinations.

The following officers have been elected to serve for the next biennium ending July 1st, 1921:

O. Laurgaard, city engineer of Portland, President.

F. D. Weber, electrical engineer for the Oregon Insurance and Rating Bureau, Vice-President.

A. B. Carter, civil and mining engineer, Secretary.

Headquarters for the board have been established at 520 Corbett Building, Portland, where the necessary application blanks for registration without examination, and copies of the law and all other information may be received at request.

The business of the board will be transacted to a large extent by committees which have been appointed as follows:

Executive Committee: O. Laurgaard, E. G. Hopson, C. A. Covell.

Finance Committee: F. D. Weber, chairman; W. B. Dennis, R. R. Bartlett.

By-Laws and Rules Committee: F. Hesse, chairman; F. S. Baillie, John H. Lewis.

Under the provisions of this law, it will be necessary for all civil, mechanical, electrical, mining, chemical and all branches of professional engineering to register.

Applications may now also be made for examination by those engineers who have not the required six years of actual practical experience.

It is very important that all engineers who expect to register without examination file their application blanks as soon as possible in order that the board may have sufficient time to pass intelligently on their qualifications.

The professional engineers who expect to practice after January 1st, 1920, according to the law must be registered, so it is very important that the applications of not only those who expect to be registered without examination should be in before January 1st, 1920.

#### ORDINANCE TO FIX ENGINEERS' SALARIES.

J. Q. Brown, Commissioner of Public Works, has announced that he will ask the City Commission to appoint and fix by ordinance the salaries of the members of its staff which will have supervision of the installation of Sacramento's filtration plant.

The wave of criticism to which his department has been subjected charging negligence of duty and unnecessary delay in the construction of the water works will have no effect on the action of either himself or his staff, Brown said.

In the capacity of chief engineer, Brown will ask that Charles G. Hyde receive a recompense of \$50 per day and traveling expenses.

The proposed salaries for other members of the engineering force are those approved by Hyde before the commission and are as follows: C. P. Gillespie, resident engineer, \$6500; H. B. Roster, hydraulic engineer, \$5000; George J. Calder, structural engineer, \$5,000, and a mechanical engineer, yet to be appointed, \$5,000.

## Supervisor Welch Seeks Re-election.

### Assisted in Fight for Mechanic's Lien Law and For Flooring of Buildings Under Construction.

Richard J. Welch is again a candidate for Supervisor and is confident of the support of all Builders and Contractors.

Welch represented the City in the State Senate for twelve years and to him credit is due for the present Mechanic's Lien Law. It will be recalled that new and necessary Legislature on this most important subject was about despaired of, when Senator Welch came into the breach and put the present law over.



As State Senator he was author of the act providing for temporary floors in buildings under course of construction. This humane act has been the means of saving many lives and limbs of mechanics and laborers and has saved for contractors and builders untold thousands of dollars in damage suits.

As a Supervisor his first act was to create a Supervisors' Committee on Commercial, and Industrial Development which has fostered and protected our local industries. He led the successful campaign for the Skyline Boulevard which resulted in a State Bond issue for \$40,000,000 for good roads. Supervisor Welch is now leading the fight for the Naval Base at Hunter's Point, which will mean the expenditure of more than \$30,000,000 in construction and the permanent employment of over eight thousand men.

#### GOETHALS GETS NEW JOB.

NEW YORK.—General George W. Goethals, builder of the Panama canal, has been elected president of the American Ship and Commerce Corporation, recently organized for the promotion of foreign trade under the American flag.

The corporation has acquired a majority interest in the William Cramp Ship and Engine Building Company of Philadelphia and the Kerr Navigation Corporation of this city.

Kermit Roosevelt, son of the former President, is secretary of the corporation.

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

Plans Being Prepared.  
**ADDITION** Cost, \$—  
**BERKELEY**, Cal. No. 2541 Fulton St.  
 Two-story addition in rear to present  
 two-story frame apartment house  
 for (6 2-room apts).  
 Owner—Withheld.  
 Architect—Jas. W. Plachek, 2014 Shat-  
 tuck Ave., Berkeley.

Plans Being Prepared. To be Done by  
 Day's Work.  
**APARTMENTS, ETC.** Cost, \$20,000.  
**SEATTLE**, Wash. California Avenue.  
 One-story concrete and terra cotta (5)  
 stores and (6) apartments.  
 Owner—W. T. Campbell, Seattle, Wash.  
 Architect—V. W. Voorhies, Eitel Bldg.,  
 Seattle, Wash.

Plans Being Prepared.  
**APARTMENTS** Cost, \$300,000 or more  
**SAN FRANCISCO**. NW Hyde and Fil-  
 bert, 137-6x137-6.  
 Six to eight-story Class "A" reinforced  
 concrete community apartment  
 house (10 apts of 8 rooms each).  
 Owner—W. B. Gray.  
 Architect—T. Patterson Ross, 310 Cali-  
 fornia St., San Francisco.

Plans Prepared. Sub-Figures to be  
 Taken in About a Week.  
**APARTMENTS** Cost, \$40,000  
**SAN FRANCISCO**. W Mason 107 N  
 Bush.  
 Five-story concrete (24) apartments.  
 Owner—V. Fassio, 407 New Call Bldg.,  
 San Francisco.  
 Architect—None.

Preliminary Sketches Prepared.  
**APARTMENTS** Cost, \$200,000 or more  
**SAN FRANCISCO**. Steiner Street and  
 Pacific Avenue.  
 Eight-story Class "A" apartment house  
 Owner—Kittie Estate.  
 Architect—Benj. G. McDougall, Sheldon  
 Bldg., San Francisco.  
 The financing of this building has  
 just been started and only a prelimi-  
 nary sketch has been made, therefore  
 it will be sometime before construc-  
 tion is started.

Low Bidder For General Contract.  
**ADDITION** Cost, \$—  
**SAN FRANCISCO**. NW Ellis & Jones  
 Streets.  
 One-story brick addition to five-story  
 brick apartments.  
 Owner—Dr. L. C. Mendell, 415 Jones  
 St., San Francisco.  
 Architect—Miss Grace Jewett, Room  
 814, 57 Post St., San Francisco.

A Knowles, Call Bldg., submitted the  
 lowest bid on the general contract.  
 Contracts will be awarded in a few  
 days.

### BANKS

Plans Being Prepared.  
**ALTERATIONS** Cost, \$—  
**WATSONVILLE**, Santa Cruz Co., Cal.  
 General alterations for banking quar-  
 ters.  
 Owner—Pajaro Valley National Bank.  
 W. R. Porter, President and C. A.  
 Palatag, Cashier.  
 Architects—M. G. West Co., Nevada  
 Bank Bldg., San Francisco.

Contract Awarded on a Percentage  
 Basis.  
**ALTERATIONS** Cost, \$—  
**BURLINGAME**, San Mateo Co., Cal.  
 Extensive alterations to interior of  
 bank.  
 Owner—Bank of Burlingame.  
 Architect—M. G. West Co., 365 Market  
 Street, San Francisco.  
 Contractors—Lange & Bergstrom,  
 Sharon Bldg., San Francisco.

Plans Being Prepared.  
**ALTERATIONS** Cost, \$—  
**REDDING**, Shasta Co., Cal. Market &  
 Yuba Streets.  
 Extensive alterations and additions for  
 banking quarters (taking in ad-  
 joining building.)  
 Owner—The Northern California Na-  
 tional Bank of Redding. N. B.  
 Frisbie, President and E. C. Fris-  
 bie, Cashier.  
 Architects—M. G. West & Co., Nevada  
 Bank Bldg., San Francisco.

**DALY CITY**, San Mateo Co., Cal.—  
 The Peninsula Bank of Burlingame  
 has applied to the State Banking Com-  
 mission asking permission to establish  
 a branch in Daly City. If the applica-  
 tion is granted a modern bank build-  
 ing will be erected on a site yet to be  
 selected. Wm. Duffy is President and  
 Fred Parfitt, Cashier of the bank.

### BONDS.

#### SCHOOL BONDS.

**UKIAH**, Mendocino Co., Cal.—The  
 County Supervisors have sold the \$20-  
 000 bond issue of the Potter Valley  
 School District. Proceeds of the sale  
 will finance construction of a new  
 school building, plans for which have  
 been prepared by Architect Norman R.  
 Coulter, 46 Kearny St., San Francisco.

**OAKLAND**, Cal.—Bonds of \$4,975,000  
 have been voted by the City of Oakland  
 School District to erect new schools  
 and improve the present structures.  
 The report that the issue would be  
 declared invalid owing to the elimina-  
 tion of serial numbers on the ballot  
 has been dropped as it was found un-  
 necessary to have the ballots number-  
 ed.

**SAN DIEGO**, Cal.—An election will  
 be held November 25 to vote on issuing  
 \$200,000 bonds for improvements to the  
 water system.

**SACRAMENTO**, Cal.—Bonds of \$3-  
 064,000 have been voted for school im-  
 provements; \$2,304,000 for fourteen  
 elementary school buildings, and \$760-  
 000 for a new polytechnic high school  
 and a secondary high school on Oak  
 Park.

**KINGSBURG**, Fresno Co., Cal.—The  
 Trustees of the Kingsburg Grammar  
 School District have set November 15th  
 as the date for the election to vote  
 bonds of \$75,000 to erect a modern  
 grammar school.

**CHICO**, Butte Co., Cal.—The bond  
 election to vote \$450,000 with which to  
 finance construction of a new high  
 school building carried.

Plans for the building are being  
 completed by Architects Woollett &  
 Lamb, Physicians Bldg., Sacramento.  
 The structure will contain forty rooms  
 and a number of out buildings.

**TNRLOCK**, Stanislaus Co., Cal.—  
 Bonds of \$89,000 were voted at a re-  
 cent election to finance construction of  
 an eight-room addition to each of the  
 grammar schools in this city.

**KLAMATH FALLS**, Ore.—Bonds of  
 \$900,000 were voted at a recent elec-  
 tion in the Lange Valley Irrigation  
 District to finance the construction of  
 an irrigation system, covering 28,000  
 acres.

**PARADISE**, Butte Co., Cal.—The  
 Board of Directors of the Paradise Ir-  
 rigation District has decided to call an  
 election to vote bonds of \$140,000 with  
 which to finance construction of a 36-  
 inch pipe from the reservoir to the  
 present intake pipes.

**LIVERMORE**, Alameda Co., Cal.—  
 November 14th is the date set by the  
 City Trustees to decide the question of  
 issuing and selling bonds of \$10,000  
 with which to purchase a motor fire  
 engine and the installation of a fire  
 alarm system, also for equipping a  
 Ford car with a chemical outfit.

**ALAMEDA**, Alameda Co., Cal.—The  
 City Council is considering the ac-  
 quisition of its own water plant, ac-  
 cording to plans outlined at the last  
 session.

The matter of purchasing the pres-  
 ent system of the East Bay Water  
 Company in Alameda, or the construc-  
 tion of a complete new system is be-  
 ing considered. C. E. Hewes is City  
 Manager and is backing the proposed  
 scheme.

**HANFORD**, Kings Co., Cal.—The  
 Trustees of the Hanford Union High  
 School District have set November 12th  
 as the date to decide the question of  
 issuing and selling bonds of \$350,000  
 for the erection of new high school  
 buildings.

NOTE—This issue must not be con-  
 fused with the Hanford Grammar

School bond issue, which will be held on November 4th.

**SANTA ROSA, Sonoma Co., Cal.**—A bond election to erect a number of new schools in this city is planned. It is also planned to form a new high school district and erect a new high school.

**SACRAMENTO, Cal.**—City Commissioner John Q. Brown is urging an election to vote bonds of \$600,000 with which to erect a municipal auditorium. A site for the building has already been purchased.

**ELY, White Pine Co., Nevada.**—The City Council is planning a bond issue providing funds for the construction of the Murray street storm sewer; the Mill Valley street sewer; paving of Aultman street, and the taking over of the Chairman millsite as a camping ground and city park. City Engineer Millard estimates the Murray street sewer to cost \$24,437 for a four-foot storm sewer of corrugated iron pipe and for concrete pipe of the same size, \$21,451. The paving of Aultman street is estimated at \$24,367.

**LINCOLN, Placer Co., Cal.**—The City Trustees are contemplating the calling of an election to vote bonds with which to secure funds providing for the erection of a community hall. The amount of the issue has not yet been set.

## CHURCHES

Plans Prepared.  
**CHURCH** Cost, \$150,000  
**BERKELEY, Cal.** NE Durant & Telegraph Avenue.  
One and 4-story reinforced concrete Educational Church.  
Owner—Epworth Methodist Church South (Bishop H. M. Du Bois, Berkeley).  
Engineer—T. Ronneberg, Crocker Bldg. San Francisco.  
Construction will not be started until the Spring.

Plans Being Figured.  
**CHURCH** Cost, \$25,000  
**PORTLAND, Ore.** E-15th and Nehalem Avenue.  
One-story brick or tile church.  
Owner—St. Agatha Catholic Church.  
Architect—Ernest Kroner, Worcester Bldg., Portland.  
J. S. C. Ward, 1690 E-16th St., South Portland, has the foundation contract.

Sketches Prepared.  
**CHURCH** Cost, \$14,000  
**LOOMIS, Placer Co., Cal.**  
Church Building.  
Owner—Loomis Congregational Church  
The Finance Committee in charge is composed of S. C. Day, W. P. Fassett, Dr. Seth Law, Al Taylor, J. A. Eckles and F. E. Small.  
The following have charge of the church plans: Rev. W. Youngman. E. E. Nelthorpe, J. Ferguson.  
Architect—Not Given.

Completing Plans. Ready for Figures Next Week.  
**GENTRY CRANE** Cost, \$—  
**EUREKA, Humboldt Co., Cal.**  
Gantry crane, 210 foot arm (specially designed for truck and cantilever).

Owner—Hammond Lumber Co.  
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.

Contract Awarded.  
**CHURCH, ETC.** Cost, \$50,000  
**HEMET, Riverside Co., Cal.**  
Reinforced concrete church (27 class rooms also a gymnasium building)  
Owner—Hemet Methodist Episcopal Church.  
Architect—H. M. Patterson, 325 O. T. Johnson Bldg., Los Angeles.  
Contractor—C. M. Thornton, Hemet.

## COURTHOUSES

**MARTINEZ, Contra Costa Co., Cal.**—The County Supervisors have awarded a contract to Bordon & Kirkhouse, of Richmond, for painting the metal and wood work on the county courthouse building, the contract price being \$2,125. J. H. Wells is County Clerk.

## Factories and Warehouses.

Contract Awarded. Sub-bids Being Taken by Contractors.  
**ALTERATIONS** Cost, \$40,000  
**SEATTLE, Wash.** Occidental Avenue.  
General alterations and repairs for four-story brick drug building.  
Owner—Stewart & Holmes Drug Co., 419 Occidental Ave., Seattle.  
Architect—David Meyers, Lippy Bldg., Seattle.  
Contractor—Western Construction Co., Seaboard Bldg., Seattle, Wash.

Contract Awarded.  
**FACTORY** Cost, \$100,000  
**SACRAMENTO, Cal.** Second Street, bet. "H" and "I" Streets.  
Two-story and basement brick and heavy mill construction factory, 100x170.  
Owner—Capitol Candy & Cracker Co., Sacramento.  
Architect—Jens C. Petersen, Peoples Savings Bank Bldg., Sacramento.  
Contractor—Mathews Construction Co., Forum Bldg., Sacramento.

Plans Being Prepared. To Be Done by Days Work.  
**FACTORY** Cost, \$17,500  
**SAN FRANCISCO, W. Seventh Street** bet. Natoma and Minna.  
One-story and basement brick factory, 50x70.  
Owner—O. H. Curtaz, 517 Hayes St., San Francisco.  
Lessee—L. Simon, Mfg. of Aprons, Etc.  
Architects—D. C. Coleman and Wm. Helbing, 25 Montgomery St., San Francisco.  
Manager of Construction—Wm. Helbing, 517 Hayes St., San Francisco.  
The glass will be let to W. P. Fuller & Co., and mill work to The Builders' Supply Co.

Completing Plans. Work to Be Done by Owner.  
**BOILER ROOM, ETC.** Cost, \$—  
**EUREKA, Humboldt Co., Cal.**  
Concrete and steel frame boiler room and fuel house building, 72x203.  
Owner—Hammond Lumber Co.  
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.

Contract Awarded.  
**OIL PLANT** Cost, \$120,000  
**LINXTON, Oregon.**  
Frame and concrete buildings for plant.  
Owner—Associated Oil Co. A. D. Park Manager of Linnton Branch.  
Architect—Engineering Dept. of Associated Oil Company.

Contractor—The Dinwiddie Constr. Co. Yeon Bldg., Portland, Ore., a Crocker Bldg., San Francisco.  
The buildings to be built include four cottages and a bunkhouse to have ten rooms, both of which will be frame construction; one-story concrete garage with 14 stalls to be 32x180 feet dimensions, and a warehouse to be concrete, 40x70 feet in dimension. There will also be constructed a steel roof loading rack, concrete and steel building for gaging tanks; concrete retaining wall and a number of iron stairways.

A sewer system and septic tank will be constructed and a wood fence will surround the plant.

**MODESTO, Stanislaus Co., Cal.**—The Pratt-Lowe Canning Co., 9th and "C" Sts., Modesto, is planning extensive improvements to its present plant. Modesto. Work will be started shortly on a new concrete warehouse, 130x150 feet on the SE corner of the property while to the north will be built or addition, 60x200 feet and another 90x180 feet.

The improvements are estimated to cost \$100,000, according to Everett Crane, Manager of the Modesto branch.

Plans Being Prepared.  
**WAREHOUSE** Cost, \$—  
**BERKELEY, Cal.** NE Ward and Shattuck Avenue.  
Four-story and mezzanine floor reinforced concrete warehouse, 80x190 (flat slab type).  
Owner—Students Express Co.  
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

## FIRE HOUSES AND JAILS

Plans to Be Completed in About Six Weeks.  
**COUNTY JAIL** Cost, \$35,000  
**VALLEJO, Solano Co., Cal.**  
Two-story brick and reinforced concrete branch county jail and offices for County Officials, 34x70.  
Owner—County of Solano.  
Architect—Chas. E. Perry Jr., 1201 Sutter St., Vallejo.

In addition to the above building Architect Perry has been commissioned by the City of Vallejo to prepare plans for a second unit to the county building, which will be used as a city hall. The building will be of the Classic style of architecture, with brick facing and terra cotta.

Plans to Be Prepared.  
**FIREHOUSE** Cost, \$12,000  
**OAKLAND, Alameda Co., Cal.** 22nd Ave. and E-15th Street.  
One-story frame firehouse.  
Owner—City of Oakland.  
Architect—Public Works Architectural Dept., City Hall, Oakland.  
Plans will be figured in about 60 days.

WASHINGTON, D. C.—B. R. Buell & Co., 911 Western avenue, Seattle, Washington, has obtained plans and specifications from the office of the Supervising Architect for the labor in connection with erection of the U. S. Marine Hospital at the Presidio, San Francisco, bids for which will be opened on November 10th.

WASHINGTON, D. C.—Plans have been completed in the Bureau of yards and Docks, Navy Department, Washington, D. C., for a radial brick chimney at the Mare Island Navy Yard under Specification No. 4062. The chimney will cost in the neighborhood of \$12,000.

Firms desiring to bid for construction may obtain plans from the Bureau on deposit of \$10. After securing the plans information as to bidding, time for opening bids, etc., will be sent by the Bureau to each bidder of the plans.

MARE ISLAND, Cal.—The following bids were received at Mare Island, October 22, for the installation of a turbo-alternator and air compressor, their condensers and auxiliary pumps, boiler feed pump, feed-water heater, oil pumps and heater, and induced draft fan, piping and the furnishing of certain electrical equipment and appurtenances, in the power plant at the Naval Station, Pearl Harbor, T. H. Drawings and specification No. 3856:

C. C. Moore, San Francisco (1) \$125,000; 130 days; (2) \$1,890, 230 days.

Turner Co., San Francisco (1) \$96,500 200 days; (2) \$1,000, 200 days.

Bids were also received at Washington, D. C., and Pearl Harbor, T. H. which will be reported later.

MARE ISLAND, Cal.—The following bids were received at Mare Island, October 22nd, for the construction of Torpedo Storehouse and Compressor and Separation Building, Mare Island, Calif., Specification No. 3991:

K. E. Parker, San Francisco (1) \$51,185, 150 days; (2) \$7,450.

McLeran & Peterson, San Francisco. (1) \$56,535, 180 days; (2) \$64,535, 110 days.

Alfred H. Vogt, San Francisco (1) \$57,963, 100 days; (2) \$7,670, 30 days.

Lange & Bergstrom, San Francisco, (1) \$54,489, 150 days; (2) \$8,390.

Clinton Constr. Co., S. Francisco (1) \$60,119, 209 days; (2) \$9,750, 25 days.

Bids were also opened at Washington which will be reported later.

SACRAMENTO, Cal.—Harry S. Madrox, General Secretary of the Chamber of Commerce, has been advised by Captain T. S. Voss that large fireproof warehouses will be erected on the Mather Aviation Field near this city. Voss was notified of the proposed work through the War Department.

According to Voss the warehouses will cover approximately five acres of ground and will be of steel and concrete construction. Supplies worth several million dollars will be carried, including reserve airplanes, parts and other equipment.

## HALL AND SOCIETY BUILDINGS.

Commissioned to Prepare Plans.  
HOME Cost, Between \$75,000 and \$100,000.

FOREST GROVE, Oregon.  
First unit of Masonic Home (Cottage

of a county storehouse and machine shop to be erected on the south side of the Court House Grounds at Ely.

Plans Being Figured.  
GARAGE Cost, \$2,000  
OAKLAND, Near Lake Merritt.  
Two-story frame private garage with sunroom.  
Owner—Withheld.  
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

## GOVERNMENT WORK AND SUPPLIES

The following bids were received at the paints branch, raw materials division, Munitions Building, Washington, D. C., October 10, circular 3642, for furnishing 700 gals. raw linseed oil:  
Yates & Co., San Francisco, Calif., \$2.29 per gallon, 15 days.

W. P. Fullre & Co., San Francisco, Calif., \$2.17, delivery 5 days; alternate, \$2.03, 60 days, 2 per cent discount.

Magner Bros., 414 9th St., San Francisco, Calif., \$1.89, 1 per cent, delivery 15 days.

National Paint and Oil Co., San Francisco, Calif., \$2.05, 3 days.

The Glidden Company of California, San Francisco, \$2.31, 2 days.

WASHINGTON, D. C.—The Builders Iron Works, P. O. Box 95, Stockton, Calif., has been awarded a contract at \$899.50 for furnishing and installing new wrought-iron fence at the U. S. Post Office Building, Stockton, Calif. The work is to be completed in 50 days.

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, Washington, D. C., has awarded a contract to Gerrick & Cerriek Co., 403 Central Bldg., Seattle, at \$38,375 for the construction of extensions to Building No. 178 at the Puget Sound Navy Yard, time to complete work, 60 days. The work is provided for under Specification No. 4009.

WASHINGTON, D. C.—Following bids were received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for the installation of a turbo-alternator and air compressor, their condensers and auxiliary pumps, boiler feed pump, feed-water heater, oil pumps and heater, and induced draft fan, piping and the furnishing of certain electrical equipment and appurtenances, in the power plant at the Naval Station, Pearl Harbor, T. H. Drawings and specification No. 3856:

John W. Danforth (1) \$105,216; (2) \$1,500.

Adams, Britz & Co., Inc., 1759 Park St., New York City (1) \$84,321; (2) \$321.

Stewart Engineering Corp. (1) \$117,471; (2) \$2,000 (deduct).

FRESNO, Cal.—United States postal authorities visiting Fresno have agreed with the Directors of the Fresno County Chamber of Commerce regarding the proposed site for the new Federal building for Fresno, contingent upon the passage of the bill introduced by Congressman H. E. Harboure for the appropriation. It was agreed that the new building should be near Court-house Park and form a part of the proposed Civic Center in Fresno.

## GARAGES

Contract Awarded.  
GARAGE Cost, \$35,000  
PORTLAND, Ore. 12th and Adler Sts. Two-story brick garage, 100x100.  
Owner—Portland Lodge of B. P. O. E. Architects—Houghtaling & Dougan, Henry Bldg., Portland, Ore.  
General Contractor—Trenchall & Parelius, Builders' Exchange, Portland.  
Plumbing awarded to F. S. Fleming.  
Heating to C. J. Kelley.

Plans Being Figured.  
GARAGE Cost, \$35,000  
PORTLAND, Ore. Sixteenth and Gilman Streets.  
Two-story and basement reinforced concrete garage, 100x100.  
Owner—Monte Mayer.  
Architect—Emil Schacht, Commonwealth Bldg., Portland.

Plans to be Prepared.  
ADDITION Cost, \$10,000  
MODESTO, Stanislaus Co., Cal. Nos. 1122-1128 Tenth Street.  
One-story concrete and steel addition for garage, 75x100.  
Owner—C. C. Parks, 1122 Tenth St., Modesto.  
Architect—Not Given.

To be Done by Days Work.  
REPAIR SHOP Cost, \$—  
SAN FRANCISCO. SW Franklin and Golden Gate Avenue.  
One-story and basement reinforced concrete auto repair shop, 87½x120.  
Owner—O. H. Curtaz, 517 Hayes St., San Francisco.  
Architect—D. C. Coleman, 20 Montgomery St., San Francisco.  
Mgr. of Constr.—Wm. Helbing, 517 Hayes St., San Francisco.

To be Done by Days Work.  
REPAIR SHOP, ETC. Cost, \$40,000  
SAN FRANCISCO. N Golden Gate Ave. E of Gough Street.  
Two-story reinforced concrete auto repair and machine shop, 87½x120.  
Owner—O. H. Curtaz, 517 Hayes St., San Francisco.  
Designer and Mgr. of Constr.—Wm. Helbing, 517 Hayes St., San Francisco.

Contract Awarded.  
GARAGE Cost, \$3,342  
SAN FRANCISCO. Central Fire Alarm Station.  
One-story brick garage.  
Owner—City and County of San Francisco.  
Architect—Architectural Dept. Board of Public Works, 2nd Floor, City Hall.  
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.

Contract Awarded.  
GARAGE Cost, \$46,615  
BAKERSFIELD, Kern Co., Cal. 25th and Chester Avenue.  
Fireproof garage.  
Owner—Geo. Elliott, 1916 19th St., Bakersfield.  
Architect—Thomas Wiseman, Morgan Bldg., Bakersfield.  
Contractor—Currie & Duglar, 1029 Nile St., Bakersfield.

CHINE SHOP BIDS WANTED.  
ELY, White Pine Co., Nevada—Bids will be received by F. D. Oldfield, County Clerk, up to November 22nd, 3 P. M., for the erection and completion

Plan). Administration building and power house. All of fireproof construction.

Owner—Masonic Home.

Architect—W. C. Knighton, U. S. Bank Bldg., Portland, Ore.

Plans Being Prepared.

CLUB HOUSE Cost, \$50,000  
PORTERVILLE, Tulare Co., Cal. Near Porterville.

Two-story club, house (Spanish style).

Owner—Elks Lodge.

Architect—M. P. Renfro, Porterville.

To be Done by Days Work and Sub-Contracts.

COUNTRY CLUB Cost, \$12,000

MILL VALLEY, Marin Co., Cal.

One-story frame country club (rustic exterior).

Owner—Mill Valley Country Club,

George Lowell, Mgr., Care Great

Western Power Co., 9 Main St.,

San Francisco, and 650 Lovell St.,

Mill Valley.

Architect—W. H. Ratcliff, 1st National Bank Bldg., Berkeley.

The following contracts have been awarded:

Grading to Mr. Clark of San Rafael.

Electric Wiring to Mr. Timlott of

Mill Valley.

Plumbing to P. E. O'Hair, 857 Mission

St., San Francisco.

## HOTELS

Plans to be Prepared.

ALTERATIONS Cost, \$—

BYRON, Contra Costa Co., Cal. Byron

/ Hot Springs.

Extensive alterations and additions to resort.

Owner—John Tait.

Architects—Ward & Blohme, 454 California St., San Francisco.

Just what improvements will be made have not been decided. Mr. Ward is there now going over the property.

## POWER PLANTS

CALEXICO, Imperial Co., Cal.—Holtan Power Co. will build a reinforced concrete substation at First and Heber streets, and other buildings. About \$32,000 will be expended on improvements.

CARSON CITY, Nevada.—An application has been filed with the State Engineer's office by P. A. Simon of the Simon Mines near Mina, for the right to use the East Walker River for electric power purposes for mine and milling. The proposed site for the power plant is located near Horseshoe bend, not far from Sweetwater, and a survey of the surrounding reservoir has been ordered.

It is planned to create approximately 6000 horsepower, the water to be impounded by the construction of concrete and rock dams costing \$600,000, which will taken about three years to build.

SAN FRANCISCO.—To enable the San Joaquin Light & Power Corporation to carry out its plans for construction of its new 45,000 horsepower hydro-electric generating plant on the San Joaquin River, in Fresno County, a project necessary to enable the company to meet demands upon it for

power, the Railroad Commission authorized the company to issue \$3,248,000 of its first and refunding mortgage bonds. The company estimates that its new power plant, together with the necessary transmission lines would cost \$1,990,000. Active construction work was started several months ago.

## PUBLIC BUILDINGS

Sketches Prepared.

MEMORIAL HALL Cost, \$200,000

RICHMOND, Contra Costa Co., Cal.

Three-story fireproof memorial hall.

Owner—Legion of Honor, Richmond

Post No. 10, Richmond.

Architect—James T. Narbette, 910 Macdonald Ave., Richmond.

Plans Being Figured.

ALTERATIONS Cost, \$5,000

OAKLAND, 14th, 15th and Washing-

ton Streets.

Alter City Hall (remove 2 stairways and light well and build 2 rooms

on 5th floor and 1 on 4th floor).

Owner—City of Oakland.

Architect—Public Works Architectural

Dept., City Hall, Oakland.

Plans will be figured in about 30

days. Other alterations will be made later.

Plans Being Prepared.

COMFORT STATION Cost, \$12,000

OAKLAND, Alameda Co., Cal. City

Hall Plaza.

Underground comfort Station.

Owner—City of Oakland.

Architect—Public Works Architectural

Dept., City Hall, Oakland.

VENTURA, Ventura Co., Cal.—A combined city hall and public library building to cost \$75,000 is planned for Ventura by E. P. Foster, who has already given the city two parks. A two-story structure on a site fronting 200 feet on Main street is contemplated.

Plans Being Re-Figured.

ADDITION Cost, \$5,000

OAKLAND, Cal. Lake Merritt.

One-story frame addition to boat house.

Owner—City of Oakland. (Recreation

Dept., City Hall.)

Architects—Reed & Corlett, Oakland

Bank of Savings Bldg., Oakland.

New bids will be called for tomorrow,

and will close November 7th.

## RESIDENCES.

Owner Taking Sub-Figures. To be Done by Days Work.

ADDITION Cost, \$10,000

SAN FRANCISCO, No. 1021 California

St. near Mason.

Add two stories and pent house to two-

story reinforced concrete residence.

Owner—Herbert E. Law. Monadnock

Bldg., San Francisco.

Architect—Geo. A. Schastey.

Plans Being Figured. Bids Close Oct.

26, 1919. (Sunday).

RESIDENCE Cost, \$—

SACRAMENTO, Cal. Seventh and "T"

Streets.

Two-story seven-room frame residence

Owner—Rev. D. Taverna.

Architect—F. A. S. Foale, Ochsner

Bldg., Sacramento.

Work Started.

COTTAGES Cost, \$50,000

OLEUM, Contra Costa Co., Cal. Ad

Joining paint buildings.

Fifteen one-story frame cottages (4 to

6 rooms each).

Owner—Union Oil Co. A. G. Page

Supt. of Oleum Plant.

Architect—Engineering Department of

Union Oil Co.

Contract Awarded.

RESIDENCE, ETC. Cost, \$20,000

RENO, Nevada.

Two-story brick residence and garage

Owner—Dr. G. C. Steinmiller.

Architect—F. M. Schadler, 445 South

Virginia St., Reno, Nevada.

Contractor—Roush & Belz.

Plans Being Prepared.

BUNGALOWS Cost, \$7500 each

SAN FRANCISCO, Westwood and

Northwood Drives.

Three one-story and basement frame

bungalows (6 rooms and basement

garages).

Owner—Withheld.

Architect—Miss Ida McCain, 318 Kear-

ny St., San Francisco.

Plans Being Prepared. To be Done by

Day Work.

BUNGALOW Cost, \$7,500

SAN FRANCISCO, Westwood Drive,

Westwood Park.

One-story and basement frame bunga-

low 6 rooms and basement garage.

Owner—H. J. Hansen.

Architect—Miss Ida McCain, 318 Kear-

ny St., San Francisco.

Plans Being Prepared.

BUNGALOW Cost, \$30,000

PORTLAND, Oregon.

One-story hollow tile (California De-

sign) bungalow home.

Owner—United Artisans Home.

Architect—Edmund Bergholtz, Spald-

ing Bldg., Portland, Ore.

Plans Being Completed. To be Done by

Day Work.

RESIDENCE Cost, \$20,000

TROUTDALE, Oregon.

Two-story and basement frame and

plaster residence (10 rooms).

Owner—Russell Clark.

Architects—Lawrence & Holford,

Chamber of Commerce Bldg.,

Portland.

Plans Being Figured.

BUNGALOW Cost, \$2,500

YUBA CITY, Sutter Co., Cal. Near

Yuba City.

One-story frame and plaster bungalow

(4 rooms).

Owner—Walton Hexter Co., 326 "D" St.,

Marysville, Cal.

Architect—Chester Cole, Waterlund-

Breslau Bldg., Chico.

SPECIFICATIONS

Exterior Finish, strucco; Plumbing,

Crane Catalog.

Contract Awarded on a Percentage

Basis.

DWELLINGS Cost, \$3300 each

OAKLAND, Alameda Co., Cal. Havens

Court, E-Oakland.

90 one-story 6-room frame dwellings.

Owner—Louis Steckle.

Architect—A. H. Knoll, Hearst Bldg.,

San Francisco.

Contractor—Geo. W. Boston & Son.



Hearst Bldg., San Francisco.  
There will be ten houses under construction at a time until the 90 are completed.

Revising Plans.  
RESIDENCE Cost, \$9,000  
SAN FRANCISCO. W 15th Avenue S of Geary Street.

Two-story frame and plaster residence (8 rooms, basement garage and sun porch).

Owner—A. Ezekiel.  
Architect—L. S. Herschfeld, Care Bakewell & Brown, 251 Kearny St., San Francisco.

Plans Being Prepared.  
ADDITION Cost, \$—  
HILLSBOROUGH, San Mateo Co., Cal. Addition to large residence.  
Owner—Withheld.  
Architect—D. J. Patterson, 46 Kearny St., San Francisco.

Plans Being Prepared.  
RESIDENCE Cost, \$20,000  
HILLSBOROUGH, San Mateo Co., Cal. Brewer Tract.  
Two-story frame residence and garage (10 rooms).  
Owner—S. A. Born Bldg. Co.  
Architect—D. J. Patterson, 46 Kearny St., San Francisco.

Plans Being Prepared. Ready for Figures in About Two Weeks.  
RESIDENCE Cost, \$12,000  
SAN FRANCISCO. Forest Hill.  
Two-story and basement frame residence and garage (9 rooms and 3 bathrooms).  
Owner—Withheld.  
Architect—Walter Falch, Hearst Bldg., San Francisco.

Plans Being Prepared.  
RESIDENCE, ETC. Cost, \$11,000  
OAKLAND, Alameda Co., Cal. Kingston Avenue.  
Two-story frame residence and garage (9 rooms and sleeping porch).  
Owner—Withheld.  
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Contract Awarded.  
RESIDENCE Cost, \$—  
LOS ANGELES, Cal. Lorraine Blvd. near Wilshire Blvd.  
Two-story frame residence (11 rooms and 3 bathrooms).  
Owner—Jennie M. Hoggard.  
Architect—E. B. Rust, 527 Black Bldg., Los Angeles.  
Contractor—L. T. Mayo, 531 Black Bldg., Los Angeles.

Plans Being Prepared. To be Done by Days Work.  
BUNGALOWS Cost, \$5,500 each  
SAN FRANCISCO. Westwood Park.  
Two one-story frame bungalows and garages (6 rooms each).  
Owner—Hilding Anderson.  
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Prepared. To be Done by Days Work.  
RESIDENCES Cost, \$10,000 each  
SAN FRANCISCO. Sea Cliff.  
Four two-story frame residences (10 rooms each).  
Owner—Allen Company.  
Architect—Earl Bertz, Foxcroft Bldg., San Francisco.  
Work will be started next week.

Plans Being Prepared. To be Done by Days Labor.  
BUNGALOWS Cost, \$5,500 each  
SAN FRANCISCO. Westwood Park.  
Two one-story frame bungalows and garages.  
Owner—Chas. Hall.  
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

## SCHOOLS

Plans Being Prepared.  
SCHOOL Cost, \$—  
BERKELEY, Cal. Prince, King, Ashby and Ellis Streets.  
Brick and concrete school (Lincoln School).  
Owner—City of Berkeley.  
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.  
Consulting Architect—W. C. Hays, 1st National Bk. Bldg., San Francisco.

Plans Being Prepared.  
SCHOOL BLDG. Cost, \$750,000  
BERKELEY, Cal. Grove, Milvia, Channing and Bancroft.  
Group of High School Buildings (First unit. Two-story and basement reinforced concrete High School building (academic and administration) 28 class rooms).  
Owner—City of Berkeley.  
Architect—W. C. Hays, 1st National Bk Bldg., San Francisco.

Besides the academic building, which will cost \$400,000, there will be in the group a gymnasium, arts, auditorium, science, music and shop buildings. Plans will be ready for figures about the first of January.

Contract Awarded. Sub Bids Being Taken by Contractors.  
PUBLISHING PLANT Cost, \$30,000  
PORTLAND, Ore. Fifth and Main Sts.  
Two-story brick publishing plant, 50 x 100.  
Owner—Portland News Co.  
Architect—John V. Bennet, Chamber of Commerce Bldg., Portland.  
Contractor—Zanella Bros., Builders' Exchange, Portland.

Plans Being Prepared. Bond Election to Secure Funds Will be Held November 15.  
SCHOOL Cost, \$37,000  
WINTERS, Yolo Co., Cal. Grammar school.  
Owner—Winters Grammar School District.  
Architect—W. H. Weeks, 75 Post St., San Francisco.

Ready for Figures in About 2 Weeks  
FRAME SCHOOL Cost, \$—  
VISITACION, San Mateo Co., Cal. One-story frame school.  
Owner—Visitation School District.  
Architect—E. L. Norberg, 712 Market St., San Francisco.  
NOTE:—Bonds to the amount of \$24,000 have been voted for property and building.  
(30341) 1st report Sept. 24, 1919.

Plans Being Prepared.  
SCHOOL Cost, \$—  
BERKELEY, Cal. Oregon and Fulton Streets.  
One-story brick and concrete school (Le Conte School).  
Owner—City of Berkeley.  
Architect—Henry H. Guttersen, 278 Post St., San Francisco.

Consulting Architect—Wm. C. Hays, 1st National Bk. Bldg., San Francisco.

Plans Being Prepared.  
SCHOOL Cost, \$125,000  
MARTINEZ, Contra Costa Co., Cal. Two-story and basement brick high school (14 or 15 rooms and an assembly room).  
Owner—Alhambra High School District  
Architect—A. A. Cantin, Foxcroft Bldg., San Francisco.  
Bonds have been voted.

Working Drawings Being Prepared.  
SCHOOL Cost, \$150,000  
BISHOP, Inyo Co., Cal. Wireproof high school building.  
Owner—Bishop High School District.  
Architect—W. H. Weeks, 57 Post St., San Francisco.  
Bonds have been voted.

Plans Being Figured. Bids Close Nov. 4th, 1919.  
SCHOOL Cost, \$35,000  
PILOT ROCK, Oregon.  
Two-story brick, tile and stucco school, 94x92 (8 class rooms and auditorium).  
Owner—Pilot Rock School District.  
Architects—Tourtellotte & Hummel, McKay Bldg., Portland.

FRESNO, Fresno Co., Cal.—Only one bid was received by Architect Ernest J. Kump, 207 Rowell Bldg., Fresno, for the construction of the one-story stucco grade school building for the Oil King School District in Fresno County, this being the bid of W. J. Ochs, Coalinga, at \$44,665, and he was awarded the contract. W. L. Rector is Clerk of the District.

LIVERMORE, Alameda Co., Cal.—The Trustees of the Livermore Union High School have awarded the contract for three furnaces with electric fan equipment to Nottingham & Co., of Oakland, at \$2,485. The contract for constructing the tennis court was awarded to C. A. Bruce of Pleasanton. (30583) 1st report Oct. 6, 1919.

CANA, Butte Co., Cal.—Following bids were received by Architect Chester Cole, Waterland-Breslauer Bldg., Chico, for the construction of a one-story frame and stucco school building for Rock Creek School District to be erected at Cana, Butte County.  
Prop. No. 1, frame building, stucco on metal lath with wood shingle roof.  
Prop. No. 2, Same as No. 1, but with terra cotta tile walls.  
Prop. No. 3, Same as No. 1, but with terra cotta tile roof.  
W. R. Campbell, 3325 J St., Sacramento, (1) \$7,550; (2) \$8,400; (3) \$7,900.  
Jos. L. Webster, Chico (1) \$6,220; (2) \$6,720; (3) \$7,070.  
Contract was awarded to Webster on Proposition No. 3.

HANFORD, Kings Co., Cal.—The Trustees of the Eucalyptus School District have awarded a contract to Brown & Denham for the construction of additions to the present school building they being low bidders at \$3,875.

Preliminary Plans Approved. Work Drawings Being Prepared.  
ADDITIONS Cost, \$—

MODESTO, Stanislaus Co., Cal. High School Grounds.

Domestic Science wing for high school; additional classrooms and basement cafeteria.

Owner—City of Modesto.

Architect—J. J. Donovan, 414 13th St., Oakland.

NOTE:—Bids for the work will be called about November 3rd.

BERKELEY, Cal.—The following bids were received October 21st by the Berkeley Board of Education for the construction of the Thousand Oaks School, a one-story hollow tile structure. Plans were prepared by Architect W. C. Hays, 1st National Bank Bldg., San Francisco.

#### (1) Excavating and Grading.

	A	B
Wm. Bruce .....	\$ 5,750	\$ 5,750
J. H. Green .....	5,790	5,790
W. J. Schmidt .....	4,700	4,700

#### (2) Concrete and Cement.

C. Christensen & Son .....	13,900	.....
W. J. Schmidt .....	11,700	10,600
Wm. Bruce .....	20,575	17,975

#### (3) Masonry.

White & Gloor .....	14,624	1,600
Wm. T. Bond .....	18,600	.....
Mesley & Collins .....	19,800	.....

(4) Carpentry, Glass and Glazing, Hardware, Blackboards, Structural and Ornamental Iron Work.

Val Franz & Son .....	42,222	47,622
C. D. Vezey .....	42,872	47,328
Connor & Connor .....	42,240	47,250
W. G. Thornally .....	45,785	52,400
C. Christensen & Son .....	48,344	56,600

#### (5) Lathing and Plastering.

F. Flynn .....	9,015	9,915
Wm. Makin .....	9,296	10,298
Geo. Dixon .....	10,123	10,923
A. Knowles .....	11,428	12,928

#### (6) Painting.

D. Zelinsky .....	2,675	2,675
-------------------	-------	-------

#### (7) Plumbing.

J. E. O'Mara .....	6,500	6,500
Wm. T. Wilson .....	5,928	5,828
J. M. Lettich .....	7,770	7,770
Ehrhart .....	7,195	6,975
Scott Co. ....	5,557	5,557
F. W. Snook & Son .....	5,435	5,435
T. A. Cappin, Alameda .....	5,299.99	5,299.99
Carl T. Doell .....	5,769	5,769
A. Lettich .....	5,997	5,997

#### Roofing and Sheet Metal Work.

A. K. Goodmundson .....	6,921	6,811
-------------------------	-------	-------

#### Heating and Ventilating.

J. A. Nelson .....	11,700	11,120
J. E. O'Mara .....	11,200	11,170
J. M. Lettich .....	11,831	11,733
W. K. Nottingham .....	11,982.30	11,922.30
Scott Co. ....	10,690	10,765
Carl T. Doell .....	11,466	11,454

#### Electric Work.

King Elec. Co. ....	4,048	3,815
Electrical Con. Co. ....	3,787	3,741
Capitol Elec. Co. ....	3,457	3,457

#### Shades.

D. N. & E. Walter .....	2,303.	.....
T. Swedberg .....	2,858.75	.....

## STORES AND OFFICES

Plans Being Figured.

STORE Cost, \$100,000  
SEATTLE, Wash. Sixth Avenue and Pine Street.

Two-story heavy mill construction retail store, 110x120.

Owner—J. T. Heffernan Engine Works, Seattle, Wash.

Architect—John Graham, L. C. Smith Bldg., Seattle, Wash.

Separate figures are being taken from general contractors, plumbers, heaters and electrical firms.

Contract Awarded.

ALTERATIONS Cost, \$4000  
SAN FRANCISCO. No. 16 Mason St. Alterations to store (new front, fixtures, shelves, etc.).

Owner—Art Tailoring Co., 39 5th St., San Francisco.

Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.

Plans Being Figured.

ALTERATIONS Cost, \$20,000  
SAN FRANCISCO. SE Sixth & Market Streets.

Alter second floor of Hewes Building (marble work, bronze and mahogany fixtures, etc.) for offices. (bank style).

Owner—Western States Life Insurance Company.

Architects—Reid Bros., 105 Montgomery St., San Francisco.

Contract Awarded.

ALTERATIONS Cost, \$—  
SAN FRANCISCO. SW Sixth and Market Streets.

Alter 1st floor into 5 stores (one cigar store).

Owner—United Cigar Co., 557 Howard St., San Francisco.

Architect—C. E. Jones, 557 Howard St., San Francisco.

Contractor—Wm. Martin.

Plans Being Prepared. Ready for Figures End of This Week.

ALTERATIONS Cost, \$4,000  
SAN FRANCISCO. SE Third and Stevenson Streets.

Alter 1st floor into 2 stores (not cigar stores.)

Owner—United Cigar Co., 557 Howard St., San Francisco.

Architect—C. E. Jones, 557 Howard St., San Francisco

SAN FRANCISCO.—The Commercial Union Insurance Co., 558 Sacramento Street, has purchased the fifty vara lot fronting on Montgomery, Pine and Summer streets, and will erect a large Class "A" office building. No architect has been selected.

FRESNO, Fresno Co., Cal.—A. Mattel, 202 "I" St., Fresno, has purchased the old Judge Sayle residence site at the corner of "J" and Tuolumne streets and plans the erection of a modern office building.

Plans for the other office structure erected by Mr. Mattel in this city were prepared by Architect Eugene Mathewson, Cory Bldg., Fresno, who will no doubt be commissioned to prepare plans for the new building.

Plans Being Prepared.

AUTOSALES ROOM, ETC Cost, \$20,000  
FRESNO, Fresno Co., Cal. Van Ness bet. Kern and Inyo Streets.

One-story fireproof autosales room and garage, 75x150.

Owner—M. M. Shoshian.

Leased to—Spear-Bourst Automobile Co., Coalinga, Cal.

Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Contracts Awarded.

STORES Cost, \$30,000  
SAN FRANCISCO. S Post St. 210 E Larkin Street.  
One-story and basement brick stores, 65x89.

Owner—Jackson R. Myers.

Architect—Earl Bertz, Foxcroft Bldg., San Francisco.

Carpentry awarded to Thos. Hamill. Grading to Eureka Teaming Co.

Steel Sash to Michel & Pfeiffer. Brick work to James Fennell.

Lumber to McCallum Lumber Co. Mill work to Empire Planing Mill.

Plumbing to J. J. McLeod.

Marble work to Jos. Musto Sons-Keanan Company.

Store Fronts to Zouri Drawn Metal Company.

Sheet Metal work to Guilford Corlone Company.

Electric wiring to The Butte Elec. & Eng. Company.

Figures are still being taken for painting, plastering, glass and concrete work, for which contracts will be awarded shortly.

## THEATRES

Working Drawings Being Prepared. ALTERATIONS Cost, Between \$500.

000 and \$1,000,000.

SAN FRANCISCO. NE Jones and Market Streets.

Alter portion of Class "A" store building into motion picture theatre.

Owner—Withheld.

Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

The rear portion of the building will be altered into the theatre with about a 60-foot entrance on Market street. Alterations will also be made to Pragers store.

Plans Prepared. Sub-Figures to be Taken.

THEATRE Cost, \$—  
CROCKETT, Contra Costa Co., Cal.

Loring Avenue.

Two-story steel and reinforced concrete motion picture theatre and rooms.

Owner—Alex Pezzuto, Crockett, Cal.

Architect—Withheld.

Figures to be Taken This Week.

THEATRE Cost, \$—  
SAN FRANCISCO. No. 3350 Mission St., near 29th (Lycum Theatre).

One-story Class "A" motion picture theatre.

Owner—Withheld.

Architects—Reid Bros., 105 Montgomery St., San Francisco.

Plans to be Prepared.

ALTERATIONS Cost, Bet. \$60,000 and \$70,000.

SAN FRANCISCO. No. 644 Broadway.

Extensive alterations to Verdi Theatre. Owner—Crescent Theatres, Inc., (A. N. Jackson, 935 Market St.)

Architects—Reid Bros., 105 Montgomery St., San Francisco.

Construction will not be started until after the first of the year.

## ENGINEERING

## BRIDGES, DAMS &amp; HARBOR WORK

EL CENTRO, Imperial Co., Cal.—Until 2 P. M., November 4, bids will be received by the Directors of the Imperial Irrigation District, Masonic Bldg., El Centro, for raising with earth Volcano Lake levee between Mile 8 and Mile 15 in Mexico, involving about 120,400 cu. yds. earthwork. The material will be taken from borrow pits to be provided by district and hauled on existing track on levee. Certified check for 10% required. F. H. McIver, Secretary.

SANTA BARBARA, Cal.—City Engineer A. B. Cook has been authorized by the City Council to do certain grading on Round-the-City Blvd., for which bids were asked but none received. The construction of a bridge across Sycamore canyon, estimated to cost \$60,000, is a part of this project.

AUBURN, Placer Co., Cal.—Bids will be received up to November 4th, 2 P. M., by A. S. Fleming, County Clerk, for the construction of a concrete bridge on the Auburn-Grass Valley Road, across Rock Creek.

RED BLUFF, Tehama Co., Cal.—County Surveyor W. F. Luning is completing surveys for the proposed bridges across the Sacramento at Squaw Hill.

H. G. Kuhn is County Clerk.

PORTERVILLE, Tulare Co., Cal.—The Bridge Committee appointed by the City Council has recommended the construction of a concrete bridge of the low arch type across the Porter Slough on D street. The structure will cost about \$30,000.

YUBA CITY, Sutter Co., Cal.—County Engineer Edward Von Geldern and Engineer Earl Cope have reported to the Sutter County Supervisors of the dangerous condition of the Feather River bridge between Marysville and Yuba City and recommend that immediate improvements be made. It is estimated the work will cost \$8,000. The cost will be borne jointly by Sutter and Yuba Counties. L. B. Crook is Yuba County Surveyor.

REDDING, Shasta Co., Cal.—A petition has been received by the County Supervisors asking the construction of a bridge across the Sacramento River at Keswick.

HOLLISTER, San Benito Co., Cal.—County Engineer W. A. Winn has been instructed to prepare plans and estimates of cost for the construction of a bridge on the New Road commonly called the Ausaymas and Fairview Cut Off at or near engineer's survey station 59-40, also for a bridge on the new road commonly called the Ausaymas and Fairview Cut-Off at or near engineer's survey station 99-60.

Elmer Dowdy is County Clerk.

LOS ANGELES, Cal.—The Ross Construction Co., San Diego and Sacramento, was awarded the contract at

\$29,863 for the construction of two reinforced concrete bridges on Brand Blvd. over Verdugo wash. The bridges will each be 24 feet wide and 90 feet long, girder type, consisting of three spans with concrete piers and abutments. They will carry the roadway on either side of the Pacific Electric right of way on which the railroad company has also agreed to build a concrete bridge. The plans were prepared in the county road department. The bridges are being built in connection with the county flood control work.

REDDING, Shasta Co., Cal.—H. E. C. Fusler, Chief Engineer for the Pit River Power Company, has completed extensive preliminary surveys along Pit River for a distance of 25 miles up stream from Copper City, including the sites for two dams.

AUBURN, Placer Co., Cal.—County Clerk A. S. Fleming has been instructed by the County Board of Supervisors to call for bids for a bridge over Rock Creek, on the Grass Valley road.

Bids have also been ordered received for the Moore's bridge, to be constructed over the Auburn ravine, a short distance below Lincoln.

Jerome Barrien is County Engineer.

RENO, Nevada.—The County Supervisors have agreed to pay half the cost of a concrete bridge, 24 feet in width, across Clear Creek on the Reno-Carson highway, the remaining one-half to be paid by the State Highway Commission.

The structure is not to exceed \$7,000 in cost.

RICHMOND, Contra Costa Co., Cal.—J. E. Staniger, Point Richmond, submitted the only bid to the City Council at \$2,598.43 for the improvement of Santa Fe avenue and this was taken under advisement.

PRESCOTT, Ariz.—It is reported the Walnut Grove dam in the Hassayampa river, near Wagner, destroyed by flood in 1890, will be rebuilt by J. Whittman of New York, beneficiary of the estate of H. S. Van Buren, deceased. It is said plans have been formed to irrigate about 16,000 acres west of Hot Springs Junction. The estimated cost of the project is \$1,000,000.

SACRAMENTO, Cal.—Plans and specifications have been presented to the State Reclamation Board for approval by the Delta Farms Reclamation District for improvements in the district costing \$325,000.

The work will include levees, extension of canals and ditches.

FRESNO, Fresno Co., Cal.—The Supervisors have decided to repair the Sand Creek, Dunlap cut-off and the Milwood roads at a cost of \$3,000. The work has been recommended by County Highway Engineer C. P. Jensen.

FRESNO, Fresno Co., Cal.—County Highway Engineer C. P. Jensen is completing plans for the following bridges to be constructed under the recent \$3,800,000 county highway bond issue: Reconstructed concrete bridge two

miles north of Belmont on Clovis avenue; reinforced concrete bridge three miles south of Sanger and reinforced concrete bridge one mile east of Riverdale. All will be 50 feet long and twenty feet wide.

Plans for repairing four bridges across the Fresno slough in the vicinity of Tranquillity and San Joaquin are also being completed in the office of the County Engineer.

SAN DIEGO, Cal.—Until 10:30 A. M., November 5, bids will be received by the Supervisors of San Diego County for constructing a reinforced concrete bridge of two 30-ft. girder spans across Boundary creek near Jacumba, on state highway, Div. VII, Route 12, Sec. G. Certified check for 5% required. Plans may be obtained on deposit of \$5. J. B. McLees, Clerk.

SAN JOSE, Santa Clara Co., Cal.—Following bids were received by the Santa Clara County Supervisors for the construction of a reinforced concrete bridge on the Pierce road in Supervisor District No. 5:

E. Nommensen .....	\$14,679
Herschback & Sciarrino .....	11,100
Wm. Martin .....	14,499
Surveyor's Estimate, .....	\$11,535.

Owing to a clerical error in one of the bids were rejected and new bids ordered up to November 17th, 11 A. M. Henry A. Pfister is County Clerk.

OAKLAND, Cal.—Following bids were received by the Alameda County Supervisors for the re-construction and repair of the pile piers and pile bent of the combination bridge across Alameda Creek on the first crossing east of Niles:

C. A. Bruce .....	\$5,978
Breese & Burgund Co. ....	6,894
Hyde-Harjest & Co. ....	6,470
M. E. Fernandes .....	7,188

The bids were rejected.

## IRRIGATION WORK

ALTURAS, Modoc Co., Cal.—The work of surveying the Jess Valley irrigation project has commenced under the direction of E. T. Erickson, an engineer for the federal reclamation service. Erickson is being assisted by F. F. Armont, also in the federal service, and the staff of County Surveyor A. M. Green.

The initial point of the survey is the junction of the county road to Likely and the Nevada-California-Oregon railroad track.

The work, which is being paid for jointly by the government and the citizens of Modoc county, will be completed within two months.

WATSONVILLE, Santa Cruz Co., Cal.—LaMontagne & Esley, of Antioch, have been awarded a contract for a large reclamation project near Watsonville for "Reclamation District No. 1." The work will cover about 3,000 acres and will take about six months to complete. Construction on concrete flood gates, etc., will be started within one week.

MODESTO, Stanislaus Co., Cal.—Percy Jones, Chief Engineer of the Modesto Irrigation District, has been instructed to proceed with the repair



### SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

**PACIFIC PIPE CO.,**  
231 Howard St. San Francisco

work in the Hazen fill in lateral No. 4, calling for the laying of 2,000 feet of cement pipe, cutting down the width of the ditch and removing the banks.

**WOODLAND, Yolo Co., Cal.**—The Yolo Water & Power Company has awarded a contract to the Shattuck-Edinger Co., 525 Market St., San Francisco, for rebuilding several canals and other equipment, such as water heads and gates.

The canals to be rebuilt are the Maple Canal at Woodland and the Willow Canal at Winters.

**SACRAMENTO, Cal.**—Application has been filed with State Engineer W. F. McClure for the formation of the proposed Foothill Irrigation District, which will irrigate several thousand acres in Fresno and Tulare Counties.

**MODESTO, Stanislaus Co., Cal.**—At a joint meeting of the Modesto and Turlock Irrigation Districts the Directors instructed their engineers to secure data and estimates of costs on a hydraulic power plant and transmission lines in connection with the Don Pedro project. The data is necessary for the State Railroad Commission which must approve of the work which will cost about \$5,000,000. The power plant will cost about \$700,000.

R. C. Melkie, Chief Engineer of the Turlock and Percy Jones, Engineer for the Modesto District, have been authorized to secure the service of an expert in compiling the data.

### MACHINERY

**MADERA, Madera Co., Cal.**—The County Supervisors have passed a resolution authorizing the purchase of five trucks and tractors for the five road

districts, five trucks having already been purchased at a cost of \$17,100.

The tractors are yet to be purchased and will cost about the same amount as was paid for the trucks.

### SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

**ENREKA, Humboldt Co., Cal.**—November 11th, 2 P. M., is the date set by Fred M. Kay, County Clerk, for the opening of bids for the construction of 3.9 miles of wagon road, known as the Lord-Ellis and Hoopa road, in Road District No. 3.

**RED BLUFF, Tehama Co., Cal.**—Bids will be received by H. G. Kuhn, County Clerk, up to November 10th, 10 A. M., for furnishing corrugated iron culverts to Supervisor District No. 2, as follows:

- 650 linear feet of 8 inch pipe, gauge number 16,
- 630 linear feet of 10 inch pipe, gauge number 16,
- 336 linear feet of 12 inch pipe, gauge number 16,
- 80 linear feet of 14 inch pipe, gauge number 16,
- 66 linear feet of 18 inch pipe, gauge number 16,
- 50 linear feet of 24 inch pipe, gauge number 16,
- 40 linear feet of 30 inch pipe, gauge number 14,
- 20 linear feet of 32 inch pipe, gauge number 14,
- 138 linear feet of 36 inch pipe, gauge number 14.

All bids must state the price per linear foot of each dimension as given above f. o. b. Red Bluff.

**FRESNO, Fresno Co., Cal.**—The County Supervisors, on recommendation of County Highway Engineer C. P. Jensen, have awarded the following contracts for county highways for which bids were opened recently:

To Blanchard, Crocker & Howell, 58 Second St., San Francisco, at \$375,816.46, or \$27,431.86 per mile.

**Route 1, Section A, White's Bridge avenue:** Specifications adopted calls for 1—3—6 mixture of concrete base, 5 inches in depth, with a Warrentite surfacing; engineer's estimate, \$360,531.50, or \$26,314.14 per mile.

To Blanchard, Crocker & Howell at \$300,329.48, or \$28,602.808 per mile.

**Route 15, Section B and part of A, Ventura, avenue:** 1—3—6 concrete base with Warrentite surfacing specified; engineer's estimate, \$273,865.26, or \$26,065.263 per mile.

To Worswick Constr. Co., I and San Diego Sts., Fresno, at \$89,399.50, or \$17,867.90 per mile.

**Route 6, Section A, Shaw avenue:** Asphalt concrete construction; engineer's estimate, \$84,513.50, or \$16,902.70 per mile.

To Worswick Constr. Co., at \$5,064, or at the rate of \$29,788.23 a mile.

**Route 10, Section A, South Van Ness avenue:** 1—3—6 concrete base with Warrentite surfacing; engineer's estimate, \$5,606.80, or at the rate of \$32,975.29 per mile.

To Hugh Crummey, Hearst Bldg., San Francisco, at \$10,764.27, or an average of \$26,309.803 per mile.

**Route 19, Section A, Adams avenue:** Specifications for 1—3—6 concrete base with Warrentite surfacing; engineer's estimate, \$108,786.84, or \$25,840.105 per mile.

To Thompson Bros., 1514 "H" St., Fresno, at \$38,601, or \$31,891.67 per mile.

**Route 9, Section A, Belmont avenue:** 5-inch 1—3—6 concrete base with Warrentite surfacing; engineer's estimate, \$39,031.64, or \$32,257.65 per mile.

The rejected bids on Blackstone and Elm avenues were nearly \$20,000 higher than the engineer's estimate on the first named and more than \$45,000 on the latter. They were ordered rejected and the matter of re-advertising the work was taken under advisement.

Engineer Chris Jensen made some recommendations on changes in the specifications of these two highways which will probably be taken into account before bids are re-advertised. He suggests concrete construction with a wearing surface on Elm avenue from the city limits to Adams avenue, but the balance to be constructed of 5-inch asphalt concrete.

He recommends an asphalt concrete specification for that section of Blackstone avenue for the one mile between Shaw and Herndon avenues but with a concrete base and wearing surface for the remainder of the roadway.

**SANTA CRUZ, Santa Cruz Co., Cal.**—Robert O'Brien, Hearst Bldg., San Francisco, submitted the only bid to the County Supervisors for the construction of the 2.28 miles of permanent highway between the city limits of Santa Cruz and Soquel at \$49,571.34; itemized as follows:

Excavation, \$11,685; corrugated iron culvert, \$529.50; guard rail, \$1465; concrete culvert, \$238; concrete pavement, \$35,653.84.

The bid is in excess of the county engineer's estimate and will probably be rejected. Harry Miller is County Clerk.

**SACRAMENTO, Cal.**—The California highway commission rejected all bids received September 29 for constructing two reinforced concrete bridges in Humboldt County between Garberville and Miranda (Q-Hum-1-B) and the work will be done by force account. Engelhardt Paving & Construction Co. submitted the lowest bid at \$21,742.

The Commission also rejected the bid of Mercer-Fraser Co. at \$94,754 for grading and paving with concrete 7.4 miles of state highway in Humboldt County between Beatrice and Eureka (I-Hum-7-G) and the work will be done by force account.

The Commission also rejected the bid of P. Rolandi at \$220,820 for paving with concrete 18.2 miles of state highway in Siskiyou County between Weed and the southerly boundary (II-Sis-3-A), and the work will be done by force account.

**MONTREY, Monterey Co., Cal.**—The City Trustees, Archie Kay, City Clerk, has passed resolution of intention No. 1238, C. S. providing for the construction of an 8-inch vitrified ironstone pipe sewer in portions of David avenue and a 6-inch sewer pipe in Lilly street and the construction of 5 manholes.

An ordinance authorizing the City Clerk to call bids for the improvement of Perry street from the west line of Washington street to the east side of Alvarado by the construction of an asphaltic macadam pavement from gutter to gutter, has also been approved by the Trustees.

**SEATTLE, Wash.**—The City Council has appropriated \$90,000 to finance the improvement of Bainier avenue from 57th avenue south to Ryan St.

**HOLBROOK, Ariz.**—Until 11 A. M., November 3, bids will be received by R. S. Teeple, Clerk of Board of Supervisors of Navajo Co., for constructing timber and rock bulkhead at east end of Little Colorado river bridge, 2 miles east of Winslow, involving 560 lin. ft. round piling, 2844 lin. ft. sheet piling, 1000 ft. B. M. lumber and 70 cu. yds. rock filling. Plans and specifications may be obtained from County Engineer.

**TUCSON, Ariz.**—J. C. Ryan, County Engineer of Cochise County, Ariz., has been appointed highway engineer of Pima County, and will have charge of the construction of roads under the \$1,500,000 county road bond issue. He will report for duty on December 1.

**VISALIA, Tulare Co., Cal.**—Seven firms bid on the proposed city street paving as follows: Federal Constr. Co., Blanchard, Crocker & Howell and Hugh Crumney of San Francisco; Thompson Bros., of Fresno; A. H. Vaughn of Hanford; A. Teichert & Son of Sacramento, and Municipal Improvement Co. of Oakland. The lowest price bid for paving was 10c sq. ft., but pending a tabulation of the figures the successful bidder was not announced.

**BLYTHE, Riverside Co., Cal.**—County Surveyor A. C. Fulmer of Riverside, states that bids will be called for soon for constructing waterbound macadam roads in six districts in the Palo Verde valley, for which special tax levies have been voted. An election will be held soon in the Rannells district to vote on issuing bonds for roads.

**SACRAMENTO, Cal.**—The California Highway Commission will proceed by force account to surface with asphalt 1.5 miles of state highway in Tulare Co. between Visalia and Fulghams corners (VI-Ful-4-D). Only one bid for this work was received from the Federal Construction Co., at \$21,870, which was rejected.

**LOS ANGELES, Los Angeles Co., Cal.**—Wm. Liddington, 420 E. Sixth St., Los Angeles, was awarded the contract at \$21,996.40 for grading and paving a section of Coast Blvd. near El Segundo, involving 48,422 sq. ft. 5-in. concrete paving, a lump sum bid being taken for grading. Other bids

were: W. D. McCray, \$26,079.17; Chas. T. Salata, \$23,589.72.

**LOS ANGELES, Cal.**—Wm. Liddington, 420 East Sixth St., Los Angeles, was awarded the contract at \$12,501.07 for improving Francisco Ave. between Windsor Ave. and Burck Place. Other bids were: Chas. T. Salata, \$15,848.92; M. S. Cummings, \$21,436.66.

**FRESNO, Fresno Co., Cal.**—The City Council, Chas. Dillon, City Clerk, has awarded a contract to the California Road & Street Improvement Co., Bank of Italy Bldg., Fresno, for the improvement of the alley in Block 117 by grading; constructing 2x6 redwood curbing and paving with a 4-inch cement concrete base with a bitulithic wearing surface 1½ inches thick.

A contract has been awarded to Thompson Bros., 1514 "H" street, Fresno, for the construction of 6-inch lateral sewers and the installation of manholes in portions of Blocks 88 and 89.

**LOS ANGELES, Cal.**—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$47,595.37 for improving Ingraham St. between Kip and Little Sts., and portions of other streets, involving 146,571 sq. ft. rough grading, 146,571 sq. ft. Warrenite paving, 5130 ft. cement curb, 1050 sq. ft. cement sidewalk, 3854 sq. ft. concrete gutter, 81 ft. house connection sewers and storm drains. Other bids were: Bryant & Austin, Inc., \$50,584.57; Los Angeles Paving Co., \$50,913.96.

**MODESTO, Stanislaus Co., Cal.**—The Modesto Irrigation District, Percy Jones, Chief Engineer, has awarded a contract to Lambert & Bauman for laying 1300 feet of 16-inch cement pipe in the Haworth Drain at 33½ cents per lineal foot and \$15 each for 3 manholes, and to W. H. Webb for 700 feet of 16-inch cement pipe in the Trask Drain at \$1.55 per lineal foot and \$40 each for two manholes.

**WILLOWS, Glenn Co., Cal.**—County Surveyor Knock is preparing estimates of cost for the improvement of the Stonyford road. The construction of a concrete bridge is also included in the work.

**FRESNO, Fresno Co., Cal.**—Sales Manager Bert Goldsmith of the Forkner-Griffen Gardens Tract, has awarded a contract to the Pacific Tank & Pipe Co., 318 Market street, San Francisco, for the erection of a 50,000 water tank on a tower 60 feet in height. The tank is being installed to furnish an adequate water supply for the tract. The work will cost about \$25,000.

**FRESNO, Fresno Co., Cal.**—The County Supervisors have abandoned the plan of constructing a highway from Coalinga to the New Idria territory just across the San Benito County line. The estimated cost of the construction was placed at \$61,000 by County Engineer C. P. Jensen and this was considered excessive. It is probable a new route will be laid out and plans for the work placed under way. (30863) 1st report Oct. 16, 1919. E

**SANTA ROSA, Sonoma Co., Cal.**—Only one bid was received by the County Supervisors, Lloyd Aldrich, County Highway Engineer, for the construction of nine miles of county highway from Petaluma to Valley Ford, this being that of George W. Connor of Santa Rosa, at \$190,000.

Two bids were received for the Sonoma-Petaluma section, these being W. A. Dontanville of Salinas, at \$133,000 and G. W. Connor of Santa Rosa, at \$112,000. This stretch covers about five miles. The bids were rejected.

**PHOENIX, Ariz.**—Hiram Phillips, consulting engineer of St. Louis, employed on the proposed gravity water system for the city of Phoenix, states that plans and specifications will be ready about November 1, and that a call for bids will be issued within 30 days. Mr. Phillips is now in Phoenix working on the project in conjunction with City Engineer L. B. Hitchcock.

**STOCKTON, San Joaquin Co., Cal.**—The Federal Construction Co., Call Bldg., San Francisco, has been awarded a contract by the City Council for surfacing the wharf space on the south side of the Stockton channel in the block opposite the Sperry Mills, the bid being \$766.44. The only other bid was that of the Clark & Henery Construction Co., at \$822.90.

**FRESNO, Fresno Co., Cal.**—Clarence Murray, City Engineer, has completed plans and specifications for additional sewer improvements to be undertaken in the North Fresno Sewer District which will cover the installation of about 90,000 feet of 6 inch laterals. Chas. Dillon is City Clerk.

**SACRAMENTO, Cal.**—The following award was made by the Advisory Board of the Department of Engineering on October 15th, 1919:

To T. M. Onley, 358 Vernon Street, Oakland, Cal., for the construction of a section of State highway in Amador County, Division 111-Route 34-Section B. (between Ione and Jackson) 10.7 miles in length. Contract price, \$66,469.

**SOUTH SAN FRANCISCO, San Mateo Co., Cal.**—The City Trustees, Wm. J. Smith, City Clerk, has passed resolution of intention No. 39, providing for the improvement of portions of Swift avenue by grading, constructing asphaltic concrete pavement eighteen feet wide, consisting of an asphaltic concrete wearing surface 1½ inches thick laid on a cement concrete base six inches thick and constructing four circular corrugated iron culverts, each having a diameter of 18 inches.

**VISALIA, Tulare Co., Cal.**—Federal Construction Co., of San Francisco, was awarded the contract at about \$160,000 for paving about 2½ miles of city streets. On a portion of the streets the paving will have 4-in. base and on the remainder a 3-in. base. Some portions will have a bitulithic wearing surface and others a Topeka top. The price ranges from 18.1c to 22.6c sq. ft.

**UPLAND, San Bernardino Co., Cal.**—W. C. Cline of Upland was awarded the contract at \$96,465.02 for improv-

ing Euclid avenue between Tenth and Twenty-fourth streets, involving (a) 551,190 sq. ft. surfacing with oil and rock screenings at 1½¢ sq. ft.; (b) 574,600 sq. ft. 4-in. concrete paving at 13½¢ sq. ft.; (c) 37,148 lin. ft. stone curb at 20¢ lin. ft., and 340 lin. ft. reinforced concrete culvert at \$181.50 lump sum. E. L. Fleming of Pomona, submitted the only other bid at \$108,237.42. F. C. Froedhe is City Engineer.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Porter and Sutter streets, from 35th to 38th avenue; Octavia and Abbey street from Sutter to Porter street, and Loma Vista avenue between Quigley and Porter streets by grading; construction of concrete curbs and gutters; cement sidewalks and paving with oil macadam; construction of concrete culverts 2 feet high and 2 feet 6 inches in width; vitrified pipe conduits; brick storm water inlets; cast iron outlets, etc.

of Harbor Commissioners, Frank G. White, Chief Engineer, has awarded an (informal) contract to O. G. Ritchie for laying seal coat wearing surface on wooden deck of Pier 43, at \$0.035 per square foot.

**BERKELEY, Alameda Co., Cal.**—The City Council has passed resolution of intention No. 398-N.S. providing for the construction of sidewalks 6 feet in width in the westerly sidewalk area of Spaulding avenue from the north line of Dwight Way to the south line of Channing Way, where not already laid. A. G. Briggs is City Clerk.

**SANTA BARBARA, Cal.**—Until 7:30 P. M., November 6, bids will be received by City Clerk S. B. Taggart for Paving Grand Ave. between Valerio and California Sts. with 2-in. bituminous macadam pavement, constructing cement curb and gutter, etc. Work will be done under improvement act of 1911.

**SANTA MONICA, Los Angeles Co., Cal.**—Ordinances of intention to improve nine streets in the Palisades district, involving a total of 1,205,382.65 sq. ft. of paving have been adopted by the City Commission and bids will be called for soon. The work will be done under the Vrooman act. One district will comprise portions of Montana avenue and seven other streets involving the following quantities: Montana avenue, 117,780.76 sq. ft., and San Vicente Blvd., 156,792.27 sq. ft. 2½-in. asphaltic concrete base with 1½-in. bitulthic wearing surface: Palisades avenue, 119,775.79 sq. ft.; Alta avenue, 113,661.53 sq. ft.; Marguerita avenue, 118,673.73 sq. ft.; Georgina avenue, 123,846.98 sq. ft.; Adelaide Drive, 72,179.06 sq. ft., and Fourth street, 171,161.83 sq. ft., 2-in. bitulthic paving; also concrete curbs, ornamental reinforced concrete lighting posts, conduits and appurtenances; 24-in. double strength vitrified pipe storm drain; 36-in. and 42-in. radial interlocking brick storm drain; 36-in. concrete monolithic storm drain; 42-in. corrugated iron 12-gauge storm drain with wooden protection pipes; junction chambers, manholes, etc. The other district compris-

ing Second St. between Santa Monica Blvd. and Montana Ave. will involve 217,510.70 sq. ft. paving, 2½-in. asphaltic concrete base with 1½-in. bitulthic wearing surface, curbs and ornamental reinforced concrete lighting posts, conduits, etc. John A. Morton, City Engineer.

**PHOENIX, Ariz.**—Until 2 P. M., November 3, bids will be received by State Engineer Thomas Maddox at the office of the Greenlee County highway commission, Clifton, Ariz., for constructing portions of the Clifton-Franklin highway, federal aid project No. 13, involving 63,000 cu. yds. road excavation, 3900 cu. yds. concrete, 93,000 lbs. reinforcing steel and incidental work. Plans and specifications may be obtained from State Engineer at Phoenix on payment of \$5. Certificate check for 5% required.

**EUREKA, Humboldt Co., Cal.**—The County Clerk has been instructed to call bids for the completion of the Lard-Elis Road for a distance of 3.9 miles. This is the fourth section of the road which will complete it as far as Green Point.

Plans may be had from the County Clerk at Eureka.

**SOUTH SAN FRANCISCO, San Mateo Co., Cal.**—The following bids were received by the City Trustees for the construction of a sewer in Commercial avenue from Chestnut to Ashton avenues:

W. J. Tobin, 527 Santa Ray St.,	
Oakland .....	\$1,681.56
D. O. Church .....	3,159.50
Jas. T. Tobin .....	2,328.44
Moran Improvement Co. ....	2,279.13
T. E. Clinch .....	2,289.15
Chas. Lindgren .....	2,657.22

**MARTINEZ, Contra Costa Co., Cal.**—From plans prepared by City Engineer Farley bids are being received by property owners for the improvement of Escobar street between Court and Lafayette streets. Plans provide for a 5-inch concrete base with a Topeka topping.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has passed resolution of intention No. 19160 N. S. providing for the improvement of Eastman avenue between its northeast termination and Penniman avenue and a portion of Sutter street adjacent to Eastman avenue by grading; constructing redwood curbs; concrete gutters and paving with an oil macadam.

## RAILROADS

**LAKEVIEW, Ore.**—Colonel E. R. Place is in this city securing rights-of-way for an extension of the Nevada, California and Oregon Railroad, which covers 171 miles between Hackstaff and Lakeview. It is planned to extend the line northward from Lakeview to Valley Falls, a distance of 23 miles.

**SAN FRANCISCO.**—A Meister & Sons Co., 403 9th St., Sacramento, submitted the only bid to the Board of Public Works for the construction of a center entrance car for the Municipal Railway

under Contract No. 121, at 15% plus labor and material.

**MARTINEZ, Contra Costa Co., Cal.**—A. V. Soph, Engineer, of Berkeley, has been in Martinez inspecting with County Engineer R. R. Arnold the proposed site of the subway under the tracks of the Southern Pacific on the Pinole road. Engineer Soph is completing specifications for the proposed structure. J. H. Wells is County Clerk.

## FIRE EQUIPMENT.

**REDWOOD CITY, San Mateo Co., Cal.** The County Supervisors, Elizabeth M. Nash, County Clerk, have passed a resolution empowering the town of Colma to equip and maintain a fire department.

**LOS ANGELES, Los Angeles Co., Cal.**—Until 9 A. M., October 29, bids will be received by the City Purchasing Agent, Room 202, north City Hall Annex, for three motor-propelled triple combination pumping engine, chemical and hose wagons in accordance with specifications No. 287, on file at the office of the purchasing agent. Chas. L. Wilde, City Clerk.

## IF YOU DON'T LIKE U. S., GO HOME, IS STREET PLACARD.

**WAUKEGAN, Ill.**—Waukegan has adopted a unique method of letting the world know of her patriotism. Deputy sheriffs have posted signs on street corners here reading:

"This is an American town. Don't criticize our President, our allies or our government.

"If you don't love our country, go back to your own country.

"If you have no country, go to hell."

## GOVERNORS ASKED TO DECLARE ANOTHER HOLIDAY.

**NEW YORK.**—Governors of all States will be asked to declare November 11, the first anniversary of the armistice, a legal holiday as "American Legion Day."

## AN ELECTION BET.

If Charlie Powers and Senator "Wild Bill" Scott are not elected members of the Board of Supervisors at the coming election, Jimmie Casserly, who occupies the throne in the Contractors' Club at the rear of the Builders' Exchange, will have to pay off an election bet.

Jimmie is confident of both candidates securing the necessary votes, but it happens that a few of Jimmie's friends think otherwise. Hence the bet.

The names of the parties who took up Jimmie's offer are withheld, as they themselves stated, it was not because they are against the Senator or Charlie, but because Jimmie is "so confoundingly confident of both going over the top."

However, we want to see Jimmie win, and again, we hate to see the other boys lose.

But the bet. Well the bet is a secret. But Jimmie says a multitude of glasses will have to be wiped before the bet is paid off, no matter who is the winner.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Am't.
2287	U S Mil Pdts.	Schell	18500
2288	Royal Ins	Wagner	15009
2288	Royal Ins	Wagner	15000
2291	Barnett	Jackson	15000
2291	Polan	Sharman	4300
2292	Fraser	Meyer	8000
2293	Johnson	Johnson	8000
2294	Rousseau	Rousseau	12990
2295	Halsted	Halsted	1400
2296	Macdonald	Owner	15000
2297	Johnson	Johnson	4500
2298	Costello	Costello	4000
2299	Marron	Marron	2000
2300	Leighton	Morton	1000
2301	Crocker	Duncan	850
2302	Terranova	Owner	500
2303	Garibaldi	Owner	500
2304	Dohfeld	Ahl	600
2305	Same	Same	400
2306	De Young	O'Neill	500
2307	Monte	Purdy	600
2308	Nelson	Nelson	6000
2309	Hooper	Ross	978
2310	Moeller	Leigh	4700
2311	Simonds	Simonds	4000
2312	Norris	Greater City Lbr	3000
2313	Shibagallata	Owner	3000
2314	Paganini	Cal Cptr Shop	500
2315	Guniasso	Montani	1000
2316	Phillips	Owner	700
2317	Heininger	McDonald	450
2318	Nestor	Bovyer	400
2319	Low	Stevens	3000
2320	S F Catering	McLeran	5950
2321	Moeller	Leigh	5000
2322	Huelter	Leigh	4700
2323	Baumann	Black	6000
2324	Fassio	Fassio	40000
2325	Law	Law	8000
2326	Mohler	Owner	7200
2327	Urban	Duncan	9000
2328	Fisher	Owner	6000
2329	Carillon	Owner	500
2330	Kyle	Kyle	1000
2331	Norris	Cinton	40000
2332	Myers	Myers	25000
2333	O'Reilly Cloak	Bessett	3750
2334	Imperial Rlty	Barrett	1000
2335	Farrell	Phoenix	500
2336	McSheehy	McSheehy	475
2337	Untl	Cal Cptr Shop	600
2338	Hotaling Estate	Owner	500
2339	Shirdman	Cameron	400
2340	York Rlty	Carlin	6500
2341	Schoenberg	Barrett	2865
2342	Falvey	Falvey	12000
2343	Keenan	Keenan	7000
2344	Hotaling	Central Iron	500
2345	Schoenberg	Owner	20000
2346	Donnelly	Ahnfeldt	12800

### FACTORY

(2287) W TENTH 150 S Folsom. One story brick Class "C" factory.  
Owner—U. S. Metal Products Co., 555 10th, San Francisco.  
Architect—None.  
Contractor—Samuel Schell, 180 Jessie, San Francisco.  
COST, \$18,500

### ROOF HOUSE

(2288) NW PINE AND SANSOME. Construct roof house.  
Owner—Royal Insurance Co., Prem.  
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.  
Contractor—Geo. Wagner, 251 Kearny, San Francisco.  
COST, \$15,000

### ALTERATIONS

(2289) NO. 1703 JACKSON. Alter basement for flat and garage.  
Owner—C. M. Aldana, Premises.

Architect—Paul F. De Martini, 2123 Powell, San Francisco.  
Contractor—P. De Martini, 2869 Octavia, San Francisco.  
COST, \$2600

### FRAME DWELLINGS

(2290) W FORTY-EIGHTH AVE 300, 354, 408, 462 and 516 S Balboa. Five one-story and basement frame dwlg's  
Owner—Geo. F. Barnett, 516 O'Farrell, San Francisco.  
Architect—Ida F. McCain, 318 Kearny, San Francisco.  
Contractor—Andrew Jackson, 516 O'Farrell, San Francisco.  
COST, \$3000 each

### COTTAGE

(2291) W NINETEENTH AVE 235 S Santiago S 25xW 120. All work for One-story and basement cottage.  
Owner—N. Dolan.  
Architect—None.  
Contractor—T. L. Sharman, 1440 Shafter Ave., San Francisco.  
Filed Oct. 20, '19. Dated Oct. 17, '19.  
Frame completed .....\$875  
Brown coated ..... 875  
Completed and accepted..... 875  
Usual 35 days..... 875  
TOTAL COST, \$3500  
Bond, \$1750. Sureties, Leon J. Hermitte and Alfred Bothe. Limit, 75 days. Forfeit, none. Plans and specifications filed.

### FRAME DWELLING

(2292) E TWENTY-FOURTH AVE 300 N Balboa N 25x E 120 O L 306. All work for one-story six-room and basement frame dwelling.  
Owner—Simon Fraser.  
Architect—None.  
Contractor—Theodore G. and Rollin E. Meyer, 2628 Anza, San Francisco.  
Filed Oct. 20, '19. Dated —.  
Frame up .....\$1075  
Brown coated ..... 1075  
Completed and accepted..... 1075  
Usual 35 days..... 1075  
TOTAL COST, \$4300  
Bond, none. Limit, 90 days. Forfeit, Plans and specifications, none.

### FRAME FLATS

(2293) S LAKE 45 W 25th Ave. Two-story and basement frame (4) flats.  
Owner—Chas. A. Johnson, 47-A Landers, San Francisco.  
Architect—C. O. Clausen, Hearst Bldg., San Francisco.  
Day's work. COST, \$8000

### STOR.

(2294) SE MEACHAM PLACE AND Post. One-story concrete store.  
Owner—Arthur F. Rousseau, 110 Sutter, San Francisco.  
Architect—Rousseau & Rousseau, 110 Sutter, San Francisco.  
Day's work and Sub-Contracts. COST, \$12,990

### ALTERATIONS

(2295) NE MISSION & EIGHTEENTH Alter store.

Owner—W. A. Halsted, 1122 Sutter, San Francisco.  
Architect—August Nordin, Mills Bldg., San Francisco.  
Day's work. COST, \$1400

### SALESROOM

(2296) S JACKSON 140 W Van Ness Ave. One-story brick salesroom.  
Owner—Macdonald & Kahn, 907 Rialto Bldg., San Francisco.  
Architect—Macdonald & Kahn, 907 Rialto Bldg., San Francisco.  
Day's work. COST, \$15,000

### FRAME DWELLING

(2297) W TWENTY-SIXTH AVE 250 S Taraval. One-story and basement frame dwelling.  
Owner—Edw. A. Johnson, 2546 22nd Ave., San Francisco.  
Architect—L. E. Peyser, 2447 26th Ave., San Francisco.  
Day's work. COST, \$4500

### FRAME FLATS

(2298) E SIXTEENTH 175 S Cabrillo. Two-story and basement frame (2) flats.  
Owner—Costello Bros., 1567 Alabama, San Francisco.  
Architect—None.  
Day's work. COST, \$4000

### ALTERATIONS

(2299) NO. 83 SIXTH. Lay dance floor and install fire exits.  
Lessee—Eddie Marron, 2258 Bush St., San Francisco.  
Architect—None.  
Day's work. COST, \$2000

### GARAGE

(2300) SE SANTA MONICA & SAN Lorenzo Way. One-story frame garage.  
Owner—S. P. Leighton, 38 3rd, S. F.  
Architect—H. H. Guttererson, 278 Post San Francisco.  
Contractor—John Morton, 180 Jessie, San Francisco.  
COST, \$1000

### ALTERATIONS

(2301) NO. 2301 LAGUNA. Cut in windows and erect trellis.  
Owner—Mary Ives Crocker, Premises.  
Architect—Nathaniel Blaisdell, 255 California, San Francisco.  
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.  
COST, \$850

### ADDITION

(2302) NO. 185 ELLSWORTH. Add 2 rooms and porch to dwelling.  
Owner—Joseph Terranova, Premises.  
Architect—None.  
Day's work. COST, \$500

### ALTERATIONS

(2303) NO. 445 BROADWAY. Alter store front.  
Owner—Garibaldi Hall Association, 441 Broadway, San Francisco.  
Architect—Paul F. De Martini, 2123 Powell, San Francisco.  
Day's work. COST, \$500

## ALTERATIONS

(2304) SE CLAYTON AND PAGE.  
Alter for two basement garages.  
Owner—A. Dohfeld, 754 3rd Ave., S. F.  
Architect—None.  
Contractor—G. E. Ahl, 1237 2nd Ave.,  
San Francisco.

COST, \$600

## ADDITION

(2305) NO. 1675 PAGE. Add private  
garage for flats.  
Owner—A. Dohfeld, 754 3rd Ave., S. F.  
Architect—None.  
Contractor—G. E. Ahl, 1237 2nd Ave.,  
San Francisco.

COST, \$400

## ALTERATIONS

(2306) NO. 6 KEARNY. Alter vesti-  
bule.  
Owner—M. H. De Young, Chronicle  
Bldg., San Francisco.  
Architect—None.  
Contractor—Daniel O'Neill, 273 Minna,  
San Francisco.

COST, \$500

## ALTERATIONS

(2307) NW PACIFIC AND STOCKTON.  
Erect show cases and shelves.  
Owner—R. C. Monte, 1529 Mason, S. F.  
Architect—None.  
Contractor—W. O. Purdy, 2045 Divisa-  
dero, San Francisco.

COST, \$600

## BUNGALOW

(2308) W PLYMOUTH AVE DIS-  
tance 16,638 from NE Cor. Lot 13 Blk 3177,  
Westwood Park N 80 deg 43 min 17  
sec W 96,438 N 35,823 S 82 deg. 28  
min. 52 sec. E 97,919 S 32,454 Ptn  
Lots 11, 12 and 13 Blk 3177, West-  
wood Park. All work for one-story  
bungalow and garage.  
Owner—Hans Nelson, 30 Northwood  
Drive, San Francisco.  
Architect—Chas. F. Strothoff, 2276 15th  
St., San Francisco.

Contractor—Nelson Bros., 30 North-  
wood Drive, San Francisco.

Filed Oct. 21, '19. Dated Sept. 29, '19.

Enclosed ..... \$1500  
Brown coated ..... 1500  
Completed and accepted ..... 1500  
Usual 35 days ..... 1500

TOTAL COST, \$6000

Bond, \$3000. Sureties, Chas. Monson &  
Edw. T. Peterson. Limit, 90 days. For-  
feit, none. Plans and specifications  
filed.

## ALTERATIONS

(2309) NOS. 358-374 PINE. All work  
for enlarging room on roof of build-  
ing.  
Owner—Sophronia T. Hooper, 1300  
Jones, San Francisco.  
Engineer—M. C. Couchot, 110 Sutter,  
San Francisco.

Contractor—D. W. Ross, 418 Frederick  
San Francisco.

Filed Oct. 21, '19. Dated Oct. 17, '19.

On completion ..... 75%  
Usual 35 days ..... 25%

TOTAL COST, \$978

Bond, limit, forfeit, none. Plans and  
specifications filed.

## DWELLING

(2310) W TWENTY-SECOND AVE 25  
S Anza 25x57-6. All work for two-  
story frame residence.  
Owner—G. Moeller, 24th Ave. and Cle-  
ment, San Francisco.  
Architect—None.

Contractor—David Leigh, 840 44th  
Ave., San Francisco.

Filed Oct. 22, '19. Dated Oct. 10, '19.

Frame up and roof on ..... \$1175  
Brown coated ..... 1175  
Completed and accepted ..... 1175  
Usual 35 days ..... 1175

TOTAL COST, \$4700

Bond, none. Limit, 90 days after Oct.  
1. Forfeit, plans and specifications,  
none.

## DWELLING

(2311) W TWENTY-EIGHTH AVE 140  
N Anza. One-story and basement  
frame dwelling.  
Owner—U. S. Simonds, 251 27th Ave.,  
San Francisco.

Architect—E. E. Young, 251 Kearny,  
San Francisco.

Day's work. COST, \$1000

## DWELLING

(2312) S GEARY 70 E Fifth Ave.  
One-story and basement frame dwlg.  
Owner—Isaac E. Norris, 154 Ellis St.,  
San Francisco.

Architect—None.  
Contractor—Greater City Lumber Co.,  
312-B Mission, San Francisco.

COST, \$3000

## DWELLING

(2313) S LOMBARD 137-6 E Brod-  
erick. One-story and basement  
frame dwelling.  
Owner—Mrs. D. Barbagalata, 1288  
Green, San Francisco.

Architect—Gustave Stahlberg, 407  
Flatiron Bldg., San Francisco.

Day's work. COST, \$3000

## GARAGE

(2314) NE LARKIN AND UNION.  
One-story frame private garage.  
Owner—S. Paganini, 1427 Grant Ave.,  
San Francisco.

Architect—None.  
Contractor—California Carpenter Shop  
Co., 400 Columbia Ave., S. F.

COST, \$500

## ALTERATIONS

(2315) NW VALLEJO & STOCKTON.  
Alter store front.  
Owner—D. J. Guinasso, San Jose.

Architect—J. A. Porporato, 619 Wash-  
ington, San Francisco.

Contractor—S. Montani & Co., 1753  
Greenwich, San Francisco.

COST, \$1000

## ALTERATIONS

(2316) NO. 1473 FORTY-FOURTH AV.  
Raise dwelling and add 2 rooms and  
bath.

Owner—E. J. F. Philipps, Premises.  
Architect—None.

Day's work. COST, \$700

## STOREROOM

(2317) E GUERRERO 175 N 19th.  
One-story frame storeroom.

Owner—C. P. Heining, 687 Guerrero,  
San Francisco.

Architect—None.  
Contractor—Patrick McDonald, 1049  
Treat Ave., San Francisco.

COST, \$450

## REPAIRS

(2318) NO. 2412 FILLMORE. Repair  
fire damage to dwelling.  
Owner—L. O. Nestor, 2701 California,  
San Francisco.

Architect—None.

Contractor—Bovyer & Sons, 2407 Cali-  
fornia, San Francisco.

COST, \$400

## ALTERATIONS

(2319) NO. 731 WASHINGTON. Con-  
crete floor and alter for restaurant.  
Owner—Kim Glim Low, Premises.

Architect—None.  
Contractor—W. J. Stevens 110 Jessie,  
San Francisco.

COST, \$3000

## CARPENTER WORK, ETC.

(2320) N O'FARRELL 82-6 E Powell  
E 55xN 137-6. Carpenter work,  
plastering and compo, etc., for three  
story and basement brick and steel  
frame building.

Owner—San Francisco Catering Co.  
Architect—Ward & Blohme, 454 Cali-  
fornia, San Francisco.

Contractor—McLeran & Peterson,  
Sharon Bldg., San Francisco.

Filed Oct. 22, '19. Dated Oct. 2, '19.

Mill work, etc., completed and  
ready for installation ..... \$2500  
Completed and accepted ..... 1963

30 days after ..... 1487

TOTAL COST, \$5950

Bond, none. Limit, as fast as possible.  
Forfeit, none. Plans and specifications  
filed.

## FRAME RESIDENCE

(2321) SE TWENTY-SECOND AVE &  
Anza 25x57-6. All work for two-  
story frame residence.

Owner—Gustave Moeller, 24th Ave and  
Clement, San Francisco.

Architect—None.  
Contractor—David Leigh, 840 44th Ave.,  
San Francisco.

Filed Oct. 22, '19. Dated Oct. 10, '19.

Frame up and roof on ..... \$1250  
Brown coated ..... 1250  
Completed and accepted ..... 1250  
Usual 35 days ..... 1250

TOTAL COST, \$5000

Bond, none. Limit, 90 days after Oct.  
1. Forfeit, plans and specifications,  
none.

## FRAME RESIDENCE

(2322) E TWENTY-SECOND AVE 50  
S Anza 25x57-6. All work for two-  
story frame residence.

Owner—Frederick Hueiter, 751 47th  
Ave., San Francisco.

Architect—None.  
Contractor—David Leigh, 840 44th Ave.,  
San Francisco.

Filed Oct. 22, '19. Dated Oct. 10, '19.

Frame up ..... \$1175  
Brown coated ..... 1175  
Completed and accepted ..... 1175  
Usual 35 days ..... 1175

TOTAL COST, \$4700

Bond, none. Limit, 90 days after Oct.  
1. Forfeit, plans and specifications,  
none.

## FRAME RESIDENCE

(2323) LOT 1 BLK 3197, Westwood  
Park. All work for one-story frame  
residence.

Owner—Herman C. Baumann, 251  
Kearny, San Francisco.

Architect—Owner.  
Contractor—Robert G. Black, 40 Wood-  
land Ave., San Francisco.

Filed Oct. 22, '19. Dated Oct. 16, '19.

Enclosed ..... \$1500  
Brown coated ..... 1500  
Completed and accepted ..... 1500  
Usual 35 days ..... 1500

TOTAL COST, \$6000



Bond, \$5000. Sureties, E. A. Janssen and Jno. J. Mullins. Limit, 90 days. Forfeit, none. Plans and specifications filed.

## APARTMENTS

(2324) W. MARSON 107 N. Bush. Five-story concrete (24) apartments. Owner—V. Fassio, 107 New Call Bldg., San Francisco.

Architect—None.

Day's work and Sub-Contracts.

COST, \$40,000

## ADDITION

(2325) NO. 1021 CALIFORNIA. Add 2 stories and pent house to residence. Owner—Herbert Edward Law, Monadnock Bldg., San Francisco.

Architect—Geo. A. Schastey.

Day's work and Sub-Contracts.

COST, \$8000

## FRAME DWELLINGS

(2326) E TWENTY-SECOND AVE 225 and 250 N. Balboa. Two one-story and basement frame residences. Owner—T. E. Mohler, 255 8th Ave., San Francisco.

Architect—None.

Day's work.

COST, \$3600 each

## FRAME DWELLING

(2327) E VICTORIA 50 S. Ocean Ave. Two-story and basement frame dwlg. Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.

Architect—C. E. Gottschalk, 958 Phelan Bldg., San Francisco.

Contractor—W. C. Duncan, 205 Sharon Bldg., San Francisco.

COST, \$9000

## FRAME DWELLING

(2328) E SEVENTEENTH AVE 250 S. Anza. Two-story and basement frame dwelling.

Owner—W. Fisher, Care Architect.

Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Day's work and Sub-Contracts.

COST, \$6000

## ALTERATIONS

(2329) NO. 4075 SEVENTEENTH. Alter for private garage.

Owner—Chas. A. Carillon, Premises.

Architect—None.

Day's work.

COST, \$500

## ROOF COVERING

(2330) N. INDIANA 50 E 18th. Temporary roof covering for steel bars.

Owner—Kyle & Co., 646 Call Bldg., San Francisco.

Architect—None.

Day's work.

COST, \$1000

## WAREHOUSE

(2331) N. TOWNSEND 80 E. Clarence Place. One-story Class "U" warehouse, 60x250.

Owner—L. A. Norris, 138 Townsend, San Francisco.

Architect—H. C. Baumann, 251 Kearny, San Francisco.

Contractor—Clinton Constr. Co., 140 Townsend, San Francisco.

COST, \$40,000

## STORES

(2332) S. POST 210 E. Larkin. One-story and basement brick stores.

Owner—Jackson R. Myers, Cr. Architect.

Architect—Earle B. Beriz, 68 Post St., San Francisco.

Day's work and Sub-Contracts.

COST, \$25,000

## ALTERATIONS

(2333) NO. 2346 MISSION. Alter and changes for store.

Owner—O'Reilly Cloak & Suit Co., 2011 Mission, San Francisco.

Architect—H. C. Baumann, 251 Kearny, San Francisco.

Contractor—C. H. Bessett, 343 29th Ave., San Francisco.

COST, \$3750

## ALTERATIONS

(2334) NW FILLMORE & O'FARRELL. Alter for offices on 2nd floor.

Owner—Imperial Realty Co., Cr. Architect.

Architect—G. A. Lansburgh, 709 Mission, San Francisco.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

COST, \$1000

## SIDEWALK LIGHTS

(2335) SE FOURTH AND HOWARD. Install sidewalk lights.

Owner—Mrs. A. N. Farrell, 2415 Octavia, San Francisco.

Architect—None.

Contractor—Phoenix Sidewalk Light Co., Monadnock Bldg., S. F.

COST, \$500

## ALTERATIONS

(2336) E CHURCH 80 S. Day. Raise and alter dwelling.

Owner—Frank McSheehy, 4168 24th, San Francisco.

Architect—None.

Day's work.

COST, \$475

## ALTERATIONS

(2337) NO. 353 COLUMBUS AVE. Alter front.

Owner—Unti & Perasso, 349 Columbus Ave., San Francisco.

Architect—None.

Contractor—California Carpenter Shop Co., 400 Columbus Ave., S. F.

COST, \$600

## ALTERATIONS

(2338) NE LARKIN AND MARKET. Erect wooden partitions.

Architect—Hotaling Estate, Merchants' Exchange Bldg., San Francisco.

Architect—None.

Day's work.

COST, \$500

## ALTERATIONS

(2339) NO. 392 SUTTER. Erect partitions of metal lath and plaster.

Owner—B. Shirdman, 291 Sutter, S. F.

Architect—None.

Contractor—Cameron & Disston, Hearst Bldg., San Francisco.

COST, \$400

## EXCAVATING, ETC.

(2340) LOT SW GOUGH AND SUTTER 260x137-6. All work of excavating and grading.

Owner—York Realty Co.

Architect—W. L. Schmolle.

Contractor—Carlin Grading Co., 110 Jessie, San Francisco.

Filed Oct. 24, '19. Dated Oct. 24, '19. On every Friday on basis of \$1.25

per cubic yard ..... 75%

TOTAL COST, \$6500

Bond, Sureties, none. Forfeit, \$30. Limit, 40 days. No plans or specifications filed.

## CONCRETE WORK

(2341) N. BUSH 137-6 W. Taylor, W.

SE 6XN 137-6. Concrete work for retaining wall and extending wall on north end of building.

Owner—Paulina Schoenberg, Merchants' Exchange Bldg., S. F.

Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

Filed Oct. 24, '19. Dated Oct. 20, '19. Retaining wall and footings poured .....

Completed and accepted .....

Usual 35 days .....

TOTAL COST, \$2865

Bond, \$1433. Sureties Albert Lachman. Forfeit, none. Limit, 60 days. Plans and specifications filed.

## DWELLINGS

(2342) N. GEARY 35-4 and 60-4 W. 28th Ave. Two two-story and basement frame dwellings.

Owner—A. J. Falvey, 124 Clayton St., San Francisco.

Architect—None.

Day's work.

COST, \$6000 each

## RESIDENCE

(2343) N. GREEN 98-6 W. Pierce. Two story and basement frame residence.

Owner—H. C. Keenan, 300 Webster, San Francisco.

Architect—None.

Day's work.

COST, \$7000

## STEEL FRAME

(2344) NO. 730 MONTGOMERY. Steel frame, 10x20 and concrete foundation for steam boiler.

Owner—A. P. Hotaling & Co., 429 Jackson, San Francisco.

Architect—None.

Contractor—Central Iron Works, 2050 Bryant, San Francisco.

COST, \$500

## BRICK STORES

(2345) N. BUSH 137-6 W. Taylor. One-story and basement brick stores.

Owner—Paulina Schoenberg, Merchants' Exchange Bldg., S. F.

Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.

Day's work and Sub-Contracts.

COST \$20,000

## FRAME DWELLINGS

(2346) LOCATION NOT GIVEN. All work for four one-story frame dwellings and garages.

Owner—Jas. J. Donnelly, Mt. Vernon & Mission, San Francisco.

Architect—A. W. Smith, 1010 Broadway, Oakland.

Contractor—Henry Ahnefeld, 522 Anderson, San Francisco.

Filed Oct. 25, '19. Dated Oct. 23, '19. Frames up (each) .....

Plastering completed (each) .....

Completed and accepted (each) .....

Usual 35 days (each) .....

TOTAL COST, \$12,800

Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

## COMPLETION NOTICES.

## San Francisco County

Oct. 18, 1919—W. TWENTY-NINTH AVE 250 N. Vicente N 25xW 120. Sarah S. Hagan to Wilson & Belhean. .... Oct. 12, 1919  
Oct. 18, 1919—NO. 101 WALNUT SW Cor Jackson. P. H. Polhemus to Emil Hogberg. .... Oct. 11, 1919  
Oct. 20, 1919—LOT 24 BLK 3164. Westwood Park. Wm L. Hall to



## FRAME DWELLING

(3291) RICARDO & ARROYO AVES., Piedmont. Two-story frame dwelling and garage.  
Owner—Thos. P. Hogan.  
Architect—None.  
Contractor—M. E. Hopper & Son, 30 Glen Ave., Oakland.

COST, \$4800

## FRAME DWELLING

(3292) THE OAKS, Piedmont. One and one-half-story frame dwelling.  
Owner—C. W. Glantz, 2640 Farriett St., Oakland.  
Architect—None.  
Day's work.

COST, \$3500

## FRAME DWELLING

(3293) GRAND AVE., Piedmont. Two-story frame dwelling.  
Owner—Mrs. W. T. Brooks.  
Architect—None.  
Day's work.

COST, \$4500

## DWELLING

(3294) N FORTY-SECOND 90 W Market, Oakland. One-story 5-room dwelling.  
Owner—Loul Magini, 4127 Market St., Oakland.  
Architect—None.  
Contractor—D. Raineri, 4125 Market St., Oakland.

COST, \$3425

## ALTERATIONS

(3295) NOS. 367-369 EIGHTH, Oakland. Alterations.  
Owner—Sam Kee, 827 Webster, Okd.  
Architect—None.  
Day's work.

COST, \$400

## SHED

(3296) NO. 477 ROSE, Oakland. Shed  
Owner—A. John.  
Architect—None.  
Contractor—Solomon Morris, 1509 Harrison, Oakland.

COST, \$500

## GARAGE

(3297) NO. 895 WILLOW, Oakland. Garage.  
Owner—J. Hamadi, Premises.  
Architect—None.  
Contractor—Edwin C. Graff, 1926 Broadway, Oakland

COST, \$400

## RADIATORS

(3299) NO. 2532 SIXTH, Berkeley. All work for 21 No. 6 and 1 No. 4 Radiogas radiators.  
Owner—Johnson-Libby Co, 1433 Franklin St., Oakland.

Architect—None.  
Contractor—Western Electric Co., Inc., 12th and Harrison, Oakland.  
Filed Oct. 22, '19. Dated Oct. 21, '19.  
Completed and accepted ..... 50%  
60 days ..... 50%  
TOTAL COST, \$1271

Bond, Sureties, Forfeit, none. Limit, Oct. 28. No plans or specifications filed.

## PAINTING

(3299) S OREGON bet. Grant and McGee Ave. All work of painting for alteration to Edison School.  
Owner—The Board of Education of the City of Berkeley and Berkeley School District in the County of Alameda, State of California.  
Architect—W. H. Ratcliff, Jr., First

National Bank Bldg., Berkeley.  
Contractor—D. Zelinsky & Sons, Inc., 422 Turk St., San Francisco.  
Filed Oct. 22, '19. Dated Sept. 25th, '19.  
First Saturday after 1st Tuesday  
each month ..... 75%  
Usual 35 days ..... 25%

TOTAL COST, \$1720

Bonds, \$430 and \$860. Sureties, Fidelity and Deposit Co. Forfeit, none. Limit, 30 days. No plans or specifications filed.

## DWELLING

(3300) W THIRTY-EIGHTH 400 S Carrington, Oakland. One and one-half-story 6-room dwelling.  
Owner—J. B. Petersen, 4022 Auga Vista Oakland.

Architect—None.  
Day's work.

COST, \$3900

## DWELLING

(3301) N SUTER 205 W High, Oakland. One-story 5-room dwelling.  
Owner—Waterfront Sash & Door Co., 2nd and Alice, Oakland.

Architect—None.  
Contractor—I. S. Tuttle, Oakland.

COST, \$2950

## DWELLING

(3302) NW 107TH AVE & BIGGERMAN, Oakland. One-story 5-room dwelling.  
Owner—E. H. Wittorf, 975 107th Ave., Elmhurst.

Architect—None.  
Day's work.

COST, \$2000

## DWELLING

(3303) N JOHN 52 E Montgomery, Oakland. One-story 5-room dwelling.  
Owner—Torree Chittenden, 311 N-2nd St., San Jose.  
Architect—None.  
Contractor—Howard Nethken, 3651 39th Ave., Oakland.

COST, \$2950

## DWELLING

(3304) W FRUITVALE AVE 1000 N Hopkins, Oakland. One-story 5-room dwelling.  
Owner—C. M. Dean, 2025 Damuth, Okd.  
Architect—None.  
Day's work.

COST, \$2400

## ALTERATIONS

(3305) SE FORTIETH AND RUBY, Oakland. Alterations.  
Owner—J. Bognet, Premises.  
Architect—None.  
Contractor—Jos. R. Bond, 3568 Douglass, Oakland.

COST, \$800

## DWELLING

(3306) E MAPLE AVE 50 N Florida, Oakland. One-story 3-room dwlg.  
Owner—Ida Pate, 1412 9th Ave., Okd.  
Architect—None.  
Contractor—H. L. Valleroy, 3636 Maple Ave., Oakland.

COST, \$400

## REPAIRS

(3307) SW TENTH AND FRANKLIN, Oakland. Roof repairs.  
Owner—Oakland Bank of Savings.  
Architect—None.  
Contractor—Western Roofing Co., 438 15th, Oakland.

COST, \$450

## DWELLING

(3308) E CALIFORNIA 150 N Chan-

ning Way, Berkeley. One-story 6-room dwelling.  
Owner—Chas. Tammi, 1806 Derby, Bkly.  
Architect—None.  
Day's work.

COST, \$2500

## DWELLING

(3309) NO. 1009 OXFORD, Berkeley. One-story 6-room dwelling.  
Owner—E. T. Henessey, Premises.  
Architect—None.  
Contractor—H. P. Sheridan, 2815 Grove, Berkeley.

COST, \$450

## DWELLING

(3310) SIXTH 130 N Lincoln Ave., Alameda. One-story 6-room dwelling.  
Owner—C. A. Arents, 4430 Walnut St., Oakland.  
Architect—None.  
Contractor—Oakley & Korndin, 1911 45th Ave., Oakland.

COST, \$2950

## DWELLING

(3311) NINTH bet. Pacific and Buena Vista, Alameda. One-story 4-room dwelling.  
Owner—L. E. Jones, 722 Lincoln Ave., Alameda.  
Architect—None.  
Day's work.

COST, \$1300

## ALTERATIONS

(3312) NO. 705 GRAND, Alameda. All work except heating for alterations and additions to two-story dwelling.  
Owner—Wm. L. Weinmann, Alameda.  
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.  
Contractor—H. M. Frostholt, 5311 Lawton Ave., Oakland.  
Filed Oct. 21, '19. Dated Oct. 21, '19.  
Frame up and roof on ..... 1/4  
Plastered ..... 1/4  
Completed and accepted ..... 1/4  
Usual 35 days ..... 1/4

TOTAL COST, \$1690

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

## DWELLING

(3313) W PARK BLVD. 55 S Cleveland, Oakland. One-story 6-room dwelling.  
Owner—R. P. Edgecombe, 2333 Waverly, Oakland.  
Architect—None.  
Day's work.

COST, \$3500

## DWELLING

(3314) SW PARK BLVD. & CLEVELAND AVE., Oakland. One-story six-room dwelling.  
Owner—R. P. Edgecombe, 2333 Waverly, Oakland.  
Architect—None.  
Day's work.

COST, \$3500

## WAREHOUSE

(3315) W EIGHTY-FIFTH AVE — S Western Pacific Railway, Oakland. One-story frame warehouse.  
Owner—United Canneries of California, Oakland.  
Architect—None.  
Contractor—Sam Joes, 2462 Valdez St., Oakland.

COST, \$1825

## ADDITION

(3316) NO. 149 MONTE CRESTA AVE., Oakland. Two-story addition.  
Owner—M. E. Wright, Premises.  
Architect—None.

Contractor—E. S. Thompson & Son, 3656 Broadway, Oakland.

COST, \$1000

#### RESHINGLE

(3317) NO. 1616 PERALTA, Oakland.

Reshingle.

Owner—Roman Catholic Church, Prem.

Architect—None.

Contractor—J. O. Arnett, 2535 Filbert,

Oakland.

COST, \$1700

#### FRAME BUILDING

(3318) NO. 224 SAN CARLOS AVE.,

Piedmont. One-story frame building.

Owner—E. H. Thompson.

Architect—None.

Contractor—O. J. Wollitz, 1650 82nd

Ave., Oakland.

COST, \$800

#### ADDITION

(3319) FIFTH AND GRAYSON, Berkeley.

Add to laboratory.

Owner—West Coast Kalsomine Co.,

Premises.

Architect—None.

Day's work.

COST, \$2000

#### OIL STATION

(3320) NE HOPKINS AND ALAMEDA

Berkeley. Oil station.

Owner—Standard Oil Company.

Architect—None.

Contractor—A. Wollitz, 1209 Bancroft

Way, Berkeley.

COST, \$1000

#### ADDITION

(3321) SECOND AND BRISTOL, Berkeley.

Addition.

Owner—Pacific Guano Fertilizing Co.,

Premises.

Architect—None.

Contractor—H. C. Kidder, 2075 Addison,

Berkeley.

COST, \$1000

#### REPAIRS

(3322) UPLANDS AND EL CAMINO,

Berkeley. Repairs.

Owner—Dr. Chas. Dukes.

Architect—None.

Contractor—J. F. Shrader, 520 16th St.,

Oakland.

COST, \$2850

#### LIBRARY

(3323) N E-FOURTEENTH 50 E 89th

Ave., Oakland. One-story 3-room

library.

Owner—Mrs. N. Wilson, 89th Ave., Okd.

Architect—None.

Contractor—John R. Faulkes, 9821 E-

14th, Oakland.

COST, \$4500

#### APARTMENTS

(3324) SW SEVENTH AVE AND E-

18th, Oakland. Two-story 12-room

apartments.

Owner—Frank O. Johnston, 1534

Franklin, Oakland.

Architect—None.

Contractor—California Builders Co.,

1534 Franklin, Oakland.

COST, \$7900

(3325) W PIEDMONT AVE 162 S

Mather, Oakland. One-story brick

garage.

Owner—D. J. Dwyer, 404 Washington

Ave., Oakland.

Architect—None.

Contractor—W. A. Savage, 346 23d Ave.,

San Francisco.

COST, \$11,000

#### GARAGE

(3326) NO. 1729 PLEASANT VALLEY

Ave., Oakland. Garage.

Owner—E. S. Shatuck, Premises.

Architect—None.

Day's work.

COST, \$800

#### ADDITION

(3327) NO. 1421 EIGHTEENTH, Oak-

land. Addition.

Owner—G. Ratto, Premises.

Architect—None.

Day's work.

COST, \$500

#### ADDITION

(3328) NO. 664 FORTY-FIRST, Oak-

land. Addition.

Owner—Roman Catholic Archbishop of

San Francisco.

Architect—None.

Contractor—J. J. Powers, 774 20th, Okd

COST, \$700

#### OFFICE

(3329) NW SIXTH AND CLAY, Oak-

land. One-story brick office.

Owner—Wm. J. Kelly, 1812 Clinton

Ave., Alameda.

Architect—None.

Contractor—Peter Johnson, 1111 Alice,

Oakland.

COST, \$400

#### ALTERATIONS

(3330) NO. 651 SANTA RAY AVE.,

Oakland. Alterations.

Owner—C. L. Gilson, Premises.

Architect—None.

Contractor—Jas. H. Pedgriff, 565 16th

St., Oakland.

COST, \$400

### COMPLETION NOTICES.

#### Alameda County.

#### Recorded

Oct. 22, 1919—LOT 5 BLK 10 Mathews Tract being No. 1214 Carlton St., Bkly. J P Gallagher to whom it may concern. . . . . Oct. 10, 1919  
Oct. 22, 1919—SE TWENTY-EIGHTH Ave 458 NE E-17th NE 35 SE 125.03 SW 27.8 NW 125, Okd. Sarah Sinclair to R L Hart. . . . . Oct. 22, 1919  
Oct. 21, 1919—LOT 11 BLK 1 Northbrae, Berkeley. H F Hiller to whom it may concern. . . . . Oct. 15, 1919  
Oct. 21, 1919—LOT 23 Lake Shore Park Heights Tract, Okd. Henry W Haler to whom it may concern. . . . . October 20, 1919  
Oct. 20, 1919—W WOOD 67-6 N Ninth N 67-6xW 142-6, Okd. John Trehotich to D W Ross. . . . . Sept. 27, 1919  
Oct. 18, 1919—ADDN TO PRESENT Plant, Okd. Premier Machine Co to Harry C Knight. . . . . Oct. 16, 1919

#### Accepted

#### FACTORY

NO. 1818 "R" ST., Sacramento. One-

story factory.

Owner—R. Carstensen, 500 K St., Sac-

ramento.

Architect—None.

Contractor—J. C. Boss, 914 27th St.,

Sacramento.

COST, \$47,500

#### FRAME RESIDENCE

NO. 315 TWENTY-NINTH ST., Sacra-

mento. One-story frame residence.

Owner—Jos. Fuski, 519 ½ K St., Sacra-

ramento.

Architect—None.

Contractor—O. W. Harrison, North Sacra-

ramento St., Sacramento.

COST, \$4350

#### FRAME DWELLING

NO. 256 TWENTY-SEVENTH ST., Sacra-

ramento. One-story 5-room frame

dwellg.

Owner—W. P. Cippa, 314 21st St., Sacra-

ramento.

Architect—None.

Day's work.

COST \$3200

#### REPAIRS

NO. 710 K ST., Sacramento. Repair

balcony and stairs in store.

Owner—China Toggery, Premises.

Architect—None.

Contractor—Herndon & Finnegan, Sacra-

ramento.

COST, \$1200

**GARAGE**  
NO. 300 L ST., Sacramento. Garage.  
Owner—F. J. Silvey, 222 V St., Sacramento.  
Architect—None.  
Day's work. COST, \$2000

**FRAME RESIDENCE**  
NO. 3935 "M" ST., Sacramento. Six-room frame residence.  
Owner—Wright & Kimbrough, 817 "J" St., Sacramento.  
Architect—None.  
Contractor—J. A. Saunders, 2810 "J" St., Sacramento.  
COST, \$5000

**ALTERATIONS**  
NO. 800½ "K" ST., Sacramento. Remodel residence.  
Owner—Ruhstaller Estate, 12th Cor. "H" St., Sacramento.  
Architect—None.  
Day's work. COST, \$2000

### COMPLETION NOTICES.

#### Sacramento County.

Recorded Accepted  
Oct. 17, 1919—SACRAMENTO. Service Station). Associated Oil Co to A & Florence, . . . . . Oct. 12, 1919  
Oct. 20, 1919—W 54½ LOT 2, J. K. 3rd and 4th Sts., Sacramento. Harvey Rasmussen to Clinton Construction Co. . . . . Oct. 11, 1919

### BUILDING CONTRACTS.

#### Fresno County.

**STORE BUILDING**  
LOTS 22 TO 25 BLK 74, Fresno. Store building.  
Owner—J. C. Cooper, 2030 Mariposa St., Fresno.  
Architect—None.  
Contractor—A. Allen, 310 San Pablo St., Fresno.  
COST, \$18,000

**ALTERATIONS**  
LOTS 11 AND 12 BLK 71, Fresno. Alterations to building.  
Owner—Brix Estate, 2311 Fresno St., Fresno.  
Architect—None.  
Contractor—A. Allen, 310 San Pablo, Fresno.  
COST, \$12,000

**DWELLINGS**  
LOTS 1 TO 4 BLK 2, Bartlett Heights, Fresno. Two frame dwellings and garages.  
Owner—G. A. Turner, 1827 Mariposa St., Fresno.  
Architect—None.  
Contractor—C. V. Smith, Fresno.  
COST, \$3000 each

**FRAME DWELLING**  
LOT 12 BLK 5, Cedar Park, Fresno. Frame dwelling.  
Owner—H. Foster, 906 "I" St., Fresno.  
Architect—None.  
Contractor—W. H. Russell, Fresno.  
COST, \$1880

**FRAME DWELLING**  
PALM VILLA TRACT, Fresno. Frame dwelling and garage.  
Owner—B. A. Dorland, 480 Abby St., Fresno.  
Architect—None.  
Contractor—E. L. Rambo, 496 San Pablo, Fresno.  
COST, \$5000

**DWELLINGS**  
LOTS 17 AND 18 and part LOT 19 BLK 1, Mt. Hood Addition, Fresno. Two frame dwellings and garages.  
Owner—J. T. Carpenter, Fresno.  
Architect—None.  
Day's work. COST, \$3000 each

**FRAME DWELLING**  
LOTS 25 AND 26 BLK 11, Arlington Heights, Fresno. Frame dwelling and garage.  
Owner—G. W. Wilkinson, Fresno.  
Architect—None.  
Day's work. COST, \$3000

**FRAME DWELLING**  
LOTS 31 AND 32 BLK 4, College Addition, Fresno. Frame dwelling and garage.  
Owner—J. G. Porter, 940 Cambridge St., Fresno.  
Architect—None.  
Day's work. COST, \$9000

**ADDITION**  
LOTS 15 AND 16 BLK 343, Fresno. Addition to building.  
Owner—Lisle & Ross, 1360 Van Ness, Fresno.  
Architect—None.  
Contractor—J. R. Church, 221 North "U" St., Fresno.  
COST, \$2500

**ALETRATIONS**  
NO. 760 "T" ST., Fresno. Remodel garage.  
Owner—Grant Estate, Fresno.  
Architect—None.  
Contractor—M. C. R. Nelson, 1247 "T" St., Fresno.  
COST, \$1000

**FINISH BUILDING**  
NO. 627 CALLISCH ST., Fresno. Finish building.  
Owner—Geo. A. Moore, 631 Callisch St., Fresno.  
Architect—None.  
Day's work. COST, \$1000

**ALTERATIONS**  
LOTS 17 AND 18 BLK 74, Fresno. Alter front of Armory Stables.  
Owner—Frank Helm, 1820 Tuolumne St., Fresno.  
Architect—None.  
Contractor—J. R. Church, 221 N-U St., Fresno.  
COST, \$2700

**ADDITION**  
NOS. 821-825 "I" ST., Fresno. Addition to building.  
Owner—H. C. McKay, 1495 N-Van Ness, Fresno.  
Architect—None.  
Contractor—A. Allen, 310 San Pablo, Fresno.  
COST, \$4500

**FRAME DWELLING**  
ALTA VISTA TRACT LOT 14 BLK 31, Fresno. Frame dwelling and garage.  
Owner—David Bruner, 435 Clark St., Fresno.  
Architect—None.  
Contractor—C. V. Smith, Fresno.  
COST, \$3600

**FRAME DWELLINGS**  
LOTS 7 AND 8 BLK 101; Lots 7 and 8 Blk 102; Lots 23 and 24 Blk 89; Lots 5 and 6 Blk 88; Lots 31 and 32 Blk 87 and Lots 7 and 8 Blk 86, Fairmont, Fresno. Six frame dwellings.

Owner—K. B. Heights Co.  
Architect—None.  
Contractor—C. E. Buckmaster, 1712 Lewis St., Fresno.  
COST, \$2500 each

**FRAME APARTMENTS**  
LOTS 28 AND 29 BLK 3, Orchard Hill Addition, Fresno. Frame apartments.  
Owner—Geo. D. Herrold, 2941 Illinois St., Fresno.  
Architect—None.  
Day's work. COST, \$12,000

**FRAME DWELLING**  
ALTA VISTA TRACT Lot "B" Blk 12, Fresno. Frame dwelling.  
Owner—T. H. Curry, Alexandria Apts., Fresno.  
Architect—None.  
Contractor—H. Dickey, 150 Howard St., Fresno.  
COST, \$7000

**FRAME DWELLING**  
LOTS 7 AND 8 BLK 9, Central Addn., Fresno. Frame dwelling.  
Owner—R. E. Smith, 109 College St., Fresno.  
Architect—None.  
Day's work. COST, \$3500

**FRAME DWELLING**  
LOTS 9 TO 12 BLK 4, Alhambra Tract, Fresno. Two frame dwellings and garages.  
Owner—Mosgrove & Pettey, Fresno.  
Architect—None.  
Day's work. COST, \$6500 and \$5000

**ADDITION**  
NO. 3423 WASHINGTON AVE., Fresno. Addition.  
Owner—D. M. Benton, Premises.  
Architect—None.  
Day's work. COST, \$3000

**DWELLING**  
LOTS 5 AND 6 BLK 2, Palm Villa Tct., Fresno. Frame dwelling and garage.  
Owner—Fresno Home Builders, 1231 "I" St., Fresno.  
Architect—None.  
Contractor—F. J. Story, Fresno.  
COST, \$5000

**FRAME DWELLING**  
LOTS 15 AND 16 BLK 5, Yosemite Addition, Fresno. Frame dwelling.  
Owner—Mrs. Mary Rossez, 647 "F" St., Fresno.  
Architect—None.  
Contractor—J. L. Daly, 702 G. McK. Bldg., Fresno.  
COST, \$4200

**DWELLING**  
LOT 4 BLK 24, Alta Vista Tct, Fresno. Frame dwelling and garage.  
Owner—A. W. Gordon, 3833 Verrue St., Fresno.  
Architect—None.  
Day's work. COST, \$3700

**FRAME DWELLINGS**  
LOTS 21, 22, 5, 6, 9, 10, 17, 18 BLK 66; Lots 3, 4, 7, 8, 11, 12 Blk 69 and Lots 1, 2, 9 and 10 Blk 67 K. B. Heights, Fresno. Nine frame dwellings and garages.  
Owner—Fresno Bldg. Cptn., Fresno.  
Architect—None.  
Day's work. COST, \$2900 each

**WAREHOUSE**  
NO. 1228 TULARE ST., Fresno. Warehouse.

Owner—S. XII, Fresno.

Architect—None.

Day's work.

COST, \$1000

#### FRAME DWELLING

LOTS 4 AND 5 BLK 16, Arlington Heights, Fresno. Frame dwelling.

Owner—D. M. Benton, Fresno.

Architect—None.

Day's work.

COST, \$2000

#### FRAME DWELLING

LOTS 3, 4, AND 5 BLK 8, North Park Terrace, Fresno. Frame dwelling and garage.

Owner—H. S. Statton, Fresno.

Architect—None.

Contractor—Chess & Peterson, Fresno.

COST, \$9900

#### FRAME DWELLING

LOTS 36 AND 37 Acacia Park, Fresno. Frame dwelling.

Owner—F. E. Siddlemeyer, Fresno.

Architect—None.

Contractor—L. M. Smith, Fresno.

COST, \$2500

#### DWELLING

LOT 5 BLK 27, Alta Vista Tct, Fresno. Frame dwelling and garage.

Owner—Jas. Dorsey, 1908 Lewis St., Fresno.

Architect—None.

Contractor—L. L. Howard, Fresno.

COST, \$3000

#### DWELLINGS

LOT 10 BLK 15, Hazelwood and Lot 10 Blk 9, Alta Vista Tct, Fresno. Two frame dwellings.

Owner—Reese & Atkins, 3643 Platt St., Fresno.

Architect—None.

Day's work.

COST, \$3500 each

#### COMPLETION NOTICES.

##### Fresno County.

Recorded  
Oct. 7, 1919—LOT 30 Norris Col. in Section 2, 15-21, Fresno. Misak Meterian to whom it may concern. . . . . Sept. 7, 1919  
Oct. 16, 1919—N 106 FEET LOTS 22, 23 Blk 1, Fortcamp Addition No. 2, Fresno. P T Ryan to whom it may concern. . . . . Oct. 1, 1919  
Oct. 16, 1919—LOTS 47 AND 48 Sohm Second Addition, Fresno. Harry F Hollist to whom it may concern. . . . . Oct. 8, 1919  
Oct. 21, 1919—NEAR BOTTOM AND Tehama Aves, Fresno. Pacific Gas & Electric Co to whom it may concern. . . . . Oct. 15, 1919  
Oct. 21, 1919—LOT 1 and W 15 feet Lot 2 Blk 1, Yosemite Park Addition, Manteca. Roscoe N Gray to whom it may concern. . . . . Oct. 10, 1919  
Oct. 22, 1919—LOTS 23 AND 24 BLK 26, Reedley. Otis H Smith to whom it may concern. . . . . Sept. 30, 1919

#### BUILDING CONTRACTS.

##### San Joaquin County.

#### WAREHOUSE

N HUNTER bet. Rose and Vine Sts., Stockton. One-story concrete block public garage.

Owner—Mary Hefferman, Stockton.

Architect—None.

Contractor—Thornton & Fermo, Stockton.

COST, \$3400

#### WAREHOUSE

W-WESTER AVE., Stockton. Warehouse.

Owner—Grivin Warehouse Co., Stockton.

Architect—None.

Day's work.

COST, \$4500

#### ALTERATIONS

EL DORADO AND NORTH STS., Stockton. Remodel.

Owner—Fred Rindge, Farmers & Merchants Bank Bldg., Stockton.

Architect—None.

Day's work.

COST, \$2000

#### REMODEL

W MAGNOLIA ST., bet. Center and Commerce Sts., Stockton. Remodel.

Owner—Mary Meincke, Stockton.

Architect—None.

Day's work.

COST, \$1200

#### COMPLETION NOTICES.

##### San Joaquin County.

Recorded  
Oct. 18, 1919—LOT 18 BLK 10, West Lodi. Hugh J Bolinger to Snyder & McNeil. . . . . Oct. 15, 1919

#### COMPLETION NOTICES.

##### Santa Clara County.

Recorded  
Oct. 21, 1919—LOS GATOS. Elizabeth J Knight to A M Jensen. . . . . Oct. 15, 1919  
Oct. 22, 1919—PALO ALTO. John Duffield to whom it may concern (2 Completion Notices). . . . . Oct. 21, 1919  
Oct. 22, 1919—HESTER PARK. San Jose. A K Burkett to whom it may concern. . . . . Oct. 21, 1919

#### LIENS FILED.

##### Santa Clara County.

Recorded  
Oct. 8, 1919—FOURTH AND JULIAN Sts., San Jose. Fred A Middleham vs E M H White. . . . . \$1025  
Oct. 21, 1919—FOURTH AND JULIAN Sts., San Jose. Mangrum & Otter Co., Inc. vs E M H White. . . . . \$575

#### SONOMA COUNTY RECOMMENDED AS LOCATION FOR THREE MILLION DOLLAR MOOSEHEART PROJECT.

The Santa Rosa Republican in its issue of October 17th, says:

"That the Asti Colony has been favorably mentioned by the Mooseheart conference in the East as a possible location for the new home that the organization is to build in the West. Is the information Secretary Vaughn of the Chamber of Commerce received from San Francisco officials of the Moose Friday, and at that time was informed that the local site was highly regarded by them and later he was informed that the offer of the Asti site had been set aside at the Eastern conference as one of the most favorable received.

"The advent of the Mooseheart to Sonoma county would be one of the largest strokes of fortune that the county could receive, as it would mean the expenditure of approximately \$2,000,000 in this county, the construction of a number of buildings, the populating of a vast area, to say nothing of the advertising that would result from the institution.

"The Chamber of Commerce is handling the business relative to the establishment of the Mooseheart here, and an option on the Asti site is being retained by the Chamber pending a decision of the Eastern conference of Moose."

#### WAGES INCREASE 263 PER CENT IN GERMANY.

BERLIN.—The average daily wage of men has increased 241 per cent and of women 263 per cent since 1914, according to the Imperial Workers' Gazette. The greatest increase was in the electrical industry.

#### FINANCIAL SITUATION IN AUSTRIA IS BAD.

VIENNA.—For the fiscal year ending October 1 the Government spent about 8,441,000,000 crowns, while its total income was 3,444,000,000. The deficit has virtually been met by printing money, with the result that the crown today is selling for 1 cent American money. Its normal value was about 20 cents.

#### STATE BANK GAINS.

The State banks of California, according to a statement issued by the State Banking Department of condition of September 12, had total resources of \$1,191,943,682, comparing with \$1,132,110,034 on the previous call of June 30, a gain of \$59,813,648. Individual deposits amounted to \$1,004,142,169, comparing with \$947,333,420 on June 30, a gain of \$56,808,789.

#### CLEARING HOUSE REPORTS FROM CALIFORNIA CITIES.

Bank clearings as reported to California Development Board by the several clearing-house cities for last week showing the amount of increase on corresponding date last year.

	Increase
San Francisco.....	\$160,700,920 \$41,258,251
Los Angeles.....	50,582,000 18,070,000
Oakland.....	9,539,831 1,985,874
Sacramento.....	6,501,012 1,714,117
San Diego.....	2,736,663 138,039
Fresno.....	6,785,209 3,295,554
Stockton.....	2,656,855 566,587
San Jose.....	7,104,814 5,989,199
Pasadena.....	1,678,774 762,622
Long Beach.....	2,131,014 1,104,098
Berkeley.....	2,334,000 .....

#### HOUSE BUILDING PLAN FOR LOS ANGELES.

##### One Result of Agitation by the League of Rent Payers.

LOS ANGELES, Cal.—Establishment of a revolving fund by the city to be used in financing house building projects is under consideration by the city council.

It results from agitation by the Los Angeles Rent Payers League which claims rent profiteering in Los Angeles is rampant.

Under the proposed plan a charter amendment would be necessary to permit the city to appropriate a sum of money to be used in building houses which would be sold to citizens on the installment plan at a low rate of interest and on long term payments.

"This is being done in England, Australia and New Zealand with success," declares W. C. Steele, president of the rent payers' organization.

## ARCHITECT APPOINTED.

SACRAMENTO, Cal.—Governor Stephens has named W. J. Dodd of Los Angeles to succeed F. L. Roehrich as representative of the Southern District upon the State Board of Architecture.

## WASHINGTON STATE HIGHWAY COMMISSION AWARDS CONTRACTS

OLYMPIA, Wash.—Following contracts have been awarded by the Washington State Highway Commission:

Grading ten miles of the Inland Empire highway, between Wallula and Pasco, to W. J. Smith & Co., Ritzville, for \$72,614. The engineer's estimate was \$81,337.

For grading two miles of the Chelan-Okanogan highway, between Chelan and Chelan Falls. The contract was let to Rojette, Forbert & Winters, of Spokane, for \$78,535. Estimate, \$82,761.

Grading state road No. 4, one and one-half miles south of Keller. Awarded to Root & Joselyn, of Spokane, for \$21,490. Estimate, \$24,055.

For constructing the Nesika bridge over the Cowlitz river on state road No. 5. The contract was awarded to the Union Bridge Co., of Seattle, for \$38,149. Estimate, \$37,225.

Grading and surfacing ten miles of the Inland Empire highway, between Dodge and Central ferry. Awarded to the General Constr. Co. of Seattle, for \$184,002. Estimate, \$195,587.

For grading six miles of the Inland Empire highway, between Delaney and Dayton, to G. L. Stickler, Asotin, for \$95,184. Estimate, \$103,758.

## PRESIDENT WOODROW WILSON SAYS:

We are face to face with a situation which is more likely to affect the happiness and prosperity, and even the life, of our people than the war itself. We have now got to do nothing less than bring our industries and our labor back to a normal basis after the greatest upheaval known to history, and the winter just ahead of us may bring suffering infinitely greater than the war brought upon us if we blunder or fail in the process. An admirable spirit of self-sacrifice, of patriotic devotion, and of community action guided and inspired us while the fighting was on. We shall need all these now, and need them in a heightened degree, if we are to accomplish the first tasks of peace. They are more difficult than the tasks of war, more complex, less easily understood, and require more intelligence, patience and sobriety. We mobilized our man power for the fighting; let us now mobilize our brain power and our consciences for the reconstruction. If we fail, it will mean national disaster. The primary step is to increase production and facilitate

transportation, so as to make up for the destruction wrought by the war, the terrible scarcities it created, and as soon as possible to relieve our people of the cruel burden of high prices. Only by keeping the cost of production on its present level, by increasing production and by rigid economy and saving on the part of the people can we hope for large decreases in the burdensome cost of living which now weighs us down.

## AMERICANS IN FRANCE UNDERBID BY GERMANS.

German manufacturers of machinery are underbidding American firms in France to a very large extent in offerings for business, according to A. L. Findley, editor of the "Iron Age," who returned recently from a trip abroad.

Findley said he had been abroad making an investigation of business conditions and the prospects of rebuilding war-damaged industries. Germany is already in the market and offerings as low as one-half of that made by Americans have been made by machinery manufacturers, he added. In reconstruction progress Belgium is far ahead of France, he said.

Supporters of Wm. S. Scott's candidacy for Supervisor paid the Senator a flattering and impressive compliment last Saturday evening when 200 automobiles, draped with the national colors and Scott banners, paraded through every section of the city in the interests of Scott's campaign. Scott was called upon to address several impromptu meetings and was received with the same enthusiastic cordiality that has marked his previous campaigns. In the election betting, even money is still offered that Scott finishes among the first four successful candidates for Supervisors.

Wm. Martin, 180 Jessie street, has been awarded the contract for alterations to the Class "C" building at 336 Second street to be occupied by the U. S. Rubber Company. The work will cost in the neighborhood of \$50,000. Plans for the work were prepared by Mr. Bristow of the company.

Architect H. H. Winner, Humboldt Bank Bldg., is taking figures for extensive interior alterations to the Anglo California Trust Company building at the northeast corner of Market and Sansome streets. There will be a considerable amount of bronze, marble and cabinet work. The estimated cost is \$45,000.

Architect W. H. Weeks, 75 Post St., is taking figures for a one-story brick

bank to be erected for the First National Bank of Woodland at Knights Landing, Yolo County.

Architect H. W. Smith, 1019 Broadway, Oakland, has awarded a contract to Henry Ahnefeld, 522 Anderson St., Oakland, for the erection of four one-story and basement frame residences to be erected in the south line of Niagara street west of Mission, for Jas. J. Donnelly. The buildings will cost \$12,800.

Bids are being received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for the erection of a brick radial chimney at the Mare Island Navy Yard. The structure will be 150 feet high and will have an inside diameter of 10 feet. Bids close November 5th, 11 A. M. Plans may be had from the Commandant at Mare Island.

Architect Walter King, Call Bldg., has awarded a contract to Totten & Trewitt of Stockton for a three-story and basement brick hotel and store building to be erected at El Dorado and Lafayette streets for L. Cassinelli in Stockton. The building will contain sixty rooms and seven stores, covering an area of 65 by 80 feet. The contract price is \$45,000.

Architect C. O. Clausen, Hearst Bldg., has awarded a contract to J. G. Kincanon for alterations to the auto building at the east line of Hyde street north of Turk for Mrs. F. L. Perigo. The work will cost \$3,000.

## TEHAMA COUNTY SUPERVISORS OPEN BRIDGE BIDS.

RED BLUFF, Tehama Co., Cal.—Following bids were received by the County Supervisors, H. G. Kuhn, County Clerk, for the construction of bridges:

Capay Bridges (3 structures) Near the Capay Ranches.

Fordwell & Zimmerman (1) \$5,084; (2) \$3,510; (3) \$3,510. Total, \$12,104. Awarded contract.

Oat Creek Bridge.  
Hart Construction Co., \$3,998  
R. B. McKenzie, 5,000  
Ross Construction Co., 4,980  
Contract awarded to Hart Constr. Co.

Dry Creek Bridge.  
C. E. McCartney, \$4,981  
Bid rejected to call new bids.

Cold Fork Bridge.  
Ross Construction Co., \$4,980  
C. E. McCartney, 4,400  
Bids rejected, new bids to be called.

Hooker Creek Bridge.  
C. E. McCartney, \$4,981  
Awarded contract.

Telephone Douglas 5114

## Valley Tie &amp; Lumber Co.

Manufacturers and Wholesalers

## Pacific Coast Lumber Products

General Office: Eugene, Oregon

S.F. Office: 401 Balboa Bldg.

F. S. NOLAND, Resident Manager

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

### JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street San Francisco

### Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum  
General Mill and Cabinet Work, Stock  
Doors, Sash Frames and Mouldings

House Phone, Kearny 2967  
Apartment Phone, Kearny 2307

### FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

### HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLUE  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-POPLAR  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
OREGON MAPLE-PLAIN OAK  
QUARTERED OAK-  
WY22/200 BENDING OAK  
POPLAR-WALNUT



BOLWOOD-ERNONY-IRONBARK  
JANERO-RED-SPANISH CEDAR  
LIEHUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SWITZER-GUM-CHOCOLATE  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WY22/200 VENEERED PANELS  
DOWELS-TREENAILS-VEEERS

### WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

### PIERCE-BOSQUIT, Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

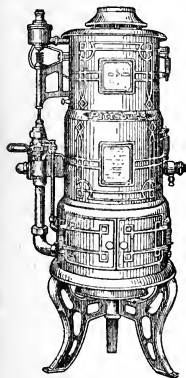
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., November 5, 1919

Published Every Wednesday  
Nineteenth Year, No. 45



## A BIG THING

New Model No. 65

"Pittsburg-  
Bungalow"

Automatic Water  
Heater.

Capacity three gallons  
per minute.

Just the size to fit the  
average two-story home  
or nice Bungalow.

A "Pittsburg" Automatic Gas  
Water Heater installed in the  
home indicates high quality  
throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

**The Most Powerful Made  
Safe and Economical**

Manufactured on a solid base and do not  
contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

**California Trojan Powder Company**

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market

Fine and Sanitary PLUMBING

**Frank J. Klimm  
PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill.	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago	TREASURER
C. E. DRAYER	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng., Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry., Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

### San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co.	THIRD VICE-PRESIDENT

#### EXECUTIVE COMMITTEE

J. H. Knowles....W. P. R. R.
F. Johnston...Union Const. Co.
L. D. Howland...C. C. Moore Co.
I. G. Grundel...Union Oil Co.

#### AUDITING COMMITTEE

T. H. Brown....S. P. R. R.
E. B. Crane....C. M. & P. S. Ry.
P. J. Rowell....I. C. C.

#### COMPENSATION COMMITTEE

G. M. Nelson...Consulting Eng.
E. V. Vandercook....S. P. R. R.
W. T. Cleland .....
Chief Dep. Sur. Santa Clara Co.
V. D. Cousins....P. T. & T. Co.

#### FELLOWSHIP COMMITTEE

W. H. Rupp.....S. P. R. R.
EMPLOYMENT REPRESENTATIVE

#### MEMBERSHIP COMMITTEE

D. L. Reynolds...Fruit Ex. Co.
J. Amweg...Consulting Eng.
W. H. Rupp.....S. P. R. R.
E. D. Brown...Redwood Mfrs. Co.
Clarence D. Stone....S. P. Co.
A. E. Hartley....S. P. Co.
H. W. Shrieber...City of Oakland.
F. E. Geibel....S. P. Co.
C. B. Newberry...Inter. Com. Com.
J. F. Johnston...Union Const. Co.
E. V. Vandercook....S. P. Co.

#### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....S. P. Co.
O. R. West....A. T. & S. F. Co.
W. S. Wollner....N. W. P. Co.

#### QUALIFICATION COMMITTEE

W. H. Phelps....S. P. Co.
O. R. West....A. T. & S. F. Co.

#### PUBLICITY COMMITTEE

E. D. Brown...Redwood Mfrs. Co.
G. M. Nelson...Consulting Eng.

#### POLITICAL COMMITTEE

E. H. Herbert...Oliver Mfg. Co.
---------------------------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHAPTERS & CLUBS:

#### SACRAMENTO CHAPTER

Lathrop, H. A.....Secretary
1321 Thirty-third St.
Sacramento - - California

#### LOS ANGELES CHAPTER

Harris, A. L.....Secretary
1104 Central Building
Los Angeles - - California

#### PORTLAND CHAPTER

Barnes, R. W.....Sec. & Treas.
36 Union Station
Portland - - Oregon

#### FRESNO CHAPTER

Jean L. Vincenz....Secretary
P. O. Box 922
Fresno - - California

#### SAN DIEGO CHAPTER

Grumm, Fred.....Secretary
288 Spruce Street
San Diego - - California

#### SAN BERNARDINO CLUB

Woods, M. A.....Secretary
608 Tenth Street
San Bernardino - - California

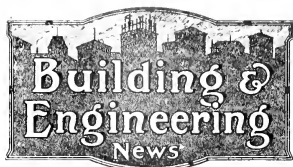
#### EUREKA CLUB

Howard, F. W.....Secretary
Eureka - - - California

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
500 Mission Street.  
Telephone—Douglas 2372.

J. P. FARRELL, Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEAD-QUARTERS.

The Board of Estimate of New York City on October 14 held the first public meeting on the tentative budget for the coming year. The Board considered the report presented to it by the New York Chapter of the American Association of Engineers and listened to R. L. B. Smith, assistant secretary of A. E., who spoke in behalf of the professional engineers. There was no representative of the Union of Technical Men present. The members of the Board displayed an entire lack of appreciation of the difference between a technically-trained man and one who is no engineering training. Some members of the Board were under the impression that anybody could satisfactorily fill the position of assistant, while none of them knew at men without considerable technical training could not pass a civil service examination for the position of assistant at \$80 per month. Alderman Kenna, chairman of the special committee of the Board of Aldermen to investigate salary increases, spoke in behalf of all city employees. Alderman Kenna advocated increases of 10% on salaries less than \$2,000 and 15% on those over \$2,000. The Board of Estimate leans toward a 20% increase for those receiving under \$1200 per annum, a 15% increase for employees receiving from \$1200 to \$1900, and a 10% increase for those receiving from \$1900 to \$2600.

The Cleveland Chapter of the American Association of Engineers has given up temporarily, at least, the plan of having speakers from outside of the organization speak at regular meetings. It has been found by experience that such speakers could bring out only 10 or 15 per cent of the membership, while if some member of the chapter speaks on a subject which is of first-hand importance, the attendance is as large as 50 or 70 per cent.

The latter plan has been tried out on some time and its success indicates that it is founded on the proper principle. Members of local engineering organizations would rather talk themselves about something of vital interest, than to listen to speakers of reputation giving a lengthy speech on some subject of less importance. The plan that is now followed is to appoint a certain member to talk for a few minutes on a selected subject which is of immediate interest to such men as

make up the majority of the chapter membership. After this introductory talk, the subject is thrown open for general discussion with a view of getting the opinion of the chapter and taking positive action of some sort.

George L. Taylor, member A. A. E., has been appointed chief engineer of the Public Service Commission of West Virginia. The Commission has jurisdiction over many large gas producing companies and other utilities of a total value of approximately \$320,000,000.

The Service Department of the American Association of Engineers is now placing about 35 to 40 members a week. Only 10 per cent of these engineers are out of work when they accept a new position, so that 9 engineers out of 10 are not looking for work but better positions. About 400 or 450 applications are on hand at all times, and there are often as many as 75 or 100 positions available. There has been one call for a \$15,000 man and one for a \$10,000 man within the last two weeks, and calls for three \$8,000 men within the last month or so.

Both the Chicago and the Pittsburgh Chapters of the American Association of Engineers are making a special effort this month to enroll electrical engineers.

The Chattanooga Chapter of A. A. E. is offering its members courses in night work in reinforced concrete, physics, chemistry, Spanish, English, salesmanship and other subjects. Additional courses will be added as a demand for them develops. The tuition is free, but members enrolling are required to deposit a registration fee of \$2.50 for each two courses, which is refunded upon completion of the work. The year's program is divided into two terms of twelve weeks each, the first commencing on October 14th.

The following officers have been elected by the Utah Chapter of the American Association of Engineers, which has headquarters in Salt Lake City: W. A. Richmond, President; W. A. Alexander, First Vice-President; C. S. Fisher, Second Vice-President; Joseph Koenigler, Secretary; and Eugene Bush, Treasurer.

As an outcome of the resolution adopted at the last annual convention of the American Association of Engineers to the effect that every member

secure five new members during the year 1919. There has been aroused among many members keen competition in obtaining applications for membership. The greatest number of applications credited to any one member is 102½. This engineer, F. K. Bennett, principal assistant engineer, Minneapolis & St. Louis Railroad, Minneapolis, has stood in first place for several months. Six members who stand next highest in the application campaign are: H. L. Hopper, St. Louis; Professor E. J. McCausland, University of Missouri; George Grimm, Jr., St. Louis; C. A. Jerome, P. D. Richards and T. J. Brennan of Cleveland. Eighteen members of the Association have obtained from twenty to forty applications, and fifty-six from ten to twenty applications.

The chairman of the national membership committee is R. W. Barnes, principal assistant engineer of the Southern Pacific Railway at Portland, Oregon. Mr. Barnes in a recent statement to the members of the Association urged a strong effort on the part of every member to increase the number of members as much as possible during this year. Plans are on foot to develop the membership by an intensive campaign early in December.

The American Association of Engineers received 902 applications for membership from the 1st to the 23rd of October. If this rate is maintained during the entire month of October the applications received will be in the neighborhood of 1200. The Qualifications Committee is struggling with the large number of applications on hand and managed to approve the admission of about 700 members in the first three weeks of October.

The Washington Chapter of the American Association of Engineers is rendering considerable service to the Keating Commission on joint reclassification of salaries, which was appointed by the last Congress to investigate salaries of Federal employees within the District of Columbia. The compensation committee of the Washington Chapter, of which L. L. Sherman, president of the United States Housing Corporation, is chairman, recently mailed out a questionnaire to all Federal engineer employees within the District. Results of this questionnaire are being tabulated and the information obtained is expected to be of great assistance to the Commission. Several members of the Washington Chapter have been appointed on the advisory

sory committee to the Keating Commission. The Engineering Council is co-operating with A. A. E. in appointing engineers to this advisory committee.

The following three Senators and three Representatives are members of this Commission: A. A. Jones, C. B. Henderson, S. P. Spencer, C. W. Hamlin, H. A. Cooper, Edward Keating. The Commission has a staff of about 100 persons. The reclassified work is being done by Arthur Young & Company, and the director of the salary investigation is Mr. W. A. Mosier, Professor of Economics, New York City.

Members of the advisory committee are selected from three groups: Namely, public employees and administrative officers. The engineering committee has twenty-four members. The sub-committee on the report of salaries consists of J. L. Harrison, Capt. R. M. Copeland, and R. C. Bailey. The committee has offered its services both individually and collectively for all further work which the Commission desires.

The Commission has about 106,000 Government employees to reclassify, and of these it estimates that about 2,500 are engineers. This does not include chemists or research men. The Commission must make its report to Congress on or before the second Monday in January, 1920.

Evidence of the far-reaching influence which is now being exerted by the American Association of Engineers is furnished by the receipt of a letter from Rattilal B. Shah, proprietor of a bank and commission firm in Bombay, India, called, Engineer & Company, requesting that he be listed as a member of the Association. Mr. Shah advises that when he received a copy of *The Monad*, published by the Association, it made such an appeal to him that he is not only desirous of becoming a member, but that he is willing to place his service at the disposal of the Association and to use his influence in organizing a branch of the Association in Bombay.

San Francisco, Oct. 21, 1919.  
Mr. George M. Nelson, C. E.,  
403 Wells-Fargo Express Bldg.,  
San Francisco, Cal.

Dear Sir: I am sending you herewith three copies of a paper I have written on the subject of "Compensation for Engineers." I would like to have you furnish copies to the other two members of the Committee on Compensation, and, after a sufficient time had elapsed to permit them to peruse and form opinions, it is suggested that the committee be called together to formulate some basis for presentation to the local chapter for endorsement. After a basis has been established and endorsed by the local chapter, it would seem advisable to forward resolutions to the National Association and endeavor to get some plan adopted by all the chapters so that united work can be done along the proper lines.

I am sending one copy to the National Association Secretary for such use as he may decide to make of it.

Yours truly,

V. D. COUSINS,

Telephone Engineer.

622 Sheldon Bldg.,  
San Francisco, Cal.

## COMPENSATION FOR ENGINEERS.

An engineer is one who utilizes his brain in the practical application of scientific principles for the benefit of mankind. His brain conceives improvements, designs the structures, supervises the construction and operation for the sole purpose of "making life more pleasant for humanity." His reward is a clear conscience and a feeling of satisfaction that follows the successful completion of the project he has conceived and consummated. Society accepts the products of the engineer's brain as a gift and assures him that it feels no greater responsibility toward him than it does toward any other individual, and that like everyone else he must look after himself in all matters pertaining to his economic life.

Now engineers are peculiar people. They consider their reward has been received when their work has met with approval. No real engineer compares his financial compensation with the benefits derived by society from the product of his brain. He notes the high cost of living only after he discovers that his bank balance is diminishing rather than increasing. When he has reached the point in life when he must decide whether or not his son should take up engineering he will strike a balance, compare the financial condition of his family with that of other families and advise his son of the results. It is difficult to induce young men to take up a career that has mental satisfaction as its principal reward. Society cannot afford to have the sons of engineers enter other lines of endeavor because the value of heredity to an engineer is great. The sons of engineers should in the majority of cases be better equipped to study and apply engineering principles than the sons of other professional men. Society must increase the reward to engineers if it wishes the engineers to induce young men to enter the engineering profession.

What can society do to return a greater part of the product of the engineers' brains to the families of the engineers? Society can compensate the engineer financially to a greater degree than it has in the past. It can recognize and express greater public approval of his work. It can cease regarding him as merely a high grade mechanic or a supervisor of mechanics. It can reserve for his use the title of engineer and not apply it to everyone who operates a steam engine.

Just how much financial compensation an engineer should receive is a difficult matter to decide. The engineer does not know nor does he seem to care very much. His family needs more to meet the continued increase in the cost of living, but he is not qualified to present a claim for greater compensation to society. Thanks to some of the engineers who have organized the American Association of Engineers, a body is now in existence which will try to present a logical basis of compensation for engineers to society. If society rejects this basis it must submit a counter proposition and eventually it is hoped to arrive at the answer.

Industry, it has been said, rests today upon a tripod consisting of Capital, Labor and Brains. Each is absolutely essential and all are equally

important. Unless properly nourished one of these legs will shrivel and force the other two to shorten in order to prevent the overtopping of the industry. In Russia, we have the best example of the result of efforts to make industry rest on two legs, Capital and Labor. In this example, it happens that Capital is being made to change hands from private owners to the state and in the painful process no distinction has been made between the inert thing called "Capital," and the alert owner of the capital or his trained executives and engineers, with the result that the brains of the industry have been discarded along with the transfer of capital to the state. Only after the tripod began to topple over did the Bolshevik discover the value of the third leg, and efforts have since been made to separate the brains from the capital and retain the former in the various industrial enterprises. In Russia it happens that brains usually have the capital, or it may be said that only the rich could acquire an education sufficient to develop the brains required to conduct an industry. In our country brains are not the monopoly of capital and accordingly, it is easier to separate them from capital in our discussions. The question is then presented, "What proportion of the cost of production should be allotted to each of the legs of the tripod in order to make them self-sustaining." In order that no misunderstanding will result from the use of the term "brains," it is not the intention to claim that the engineers and executives have a monopoly of this element and that labor has not of it. I am divesting capital of brains because capital is wealth which is separable from the owner who probably has a good equipment of brains which industry must utilize. In the same manner engineers owning capital must consider their capital as apart from their brains in dealing with this problem. Labor includes physical force as well as brains.

To the extent that a laborer uses his brain as a designer, improver, economizer, planner, director, supervisor, and is willing to accept responsible charge of work, he should be credited with the asset called brains. The cost of production apportioned strictly to labor, therefore, is that portion paid to one who merely uses physical force guided by the five senses, and, of course, all labor will be credited with a portion of the cost allotted to the tripod leg called brains.

Capital is a timid, vacillating, unstable member of the tripod. It rushes into industries where the rate of return is highest, providing the security is ample. It deserts those industries, sometimes at a great loss, when the returns are inadequate or the security becomes doubtful. It leaves the country when especially inviting offers are made to it by other nations. A restraining influence toward this tendency is exercised by the desire of the owners of capital to keep it at home where it is under closer observation, and where it can be better directed by the brains of the owner; incidentally obtaining the use of his brain in connection with his capital, which is a desirable combination. We need in our complex modern life a proper division of capital among the industries in sufficient amount to provide the

(Continued on page 23)

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

Contract Awarded.  
APARTMENTS, ETC. Cost, \$10,000  
SAN FRANCISCO. 15th and Shotwell  
Move and alter three-story frame  
building into 4 4-room apartments  
and store.

Owner—W. R. Ballinger, 86 New  
Montgomery St., San Francisco.  
Architects—O'Brien Bros., 240 Mont-  
gomery St., San Francisco.  
Contractor—Emil Nelson, 39 Delmar  
St., San Francisco.

Revising Plans. Ready For Figures  
Tuesday.

APARTMENTS. Cost, \$45,000  
SAN FRANCISCO. SE O'Farrell and  
Octavia Streets.

Three-story and basement brick  
apartments (18 2-room apts).

Owner—Withheld.  
Architects—O'Brien Bros., 240 Mont-  
gomery St., San Francisco.

Plans are being changed for brick  
construction instead of frame.

Plans Being Figured.  
APARTMENTS. Cost, \$16,000  
SAUSALITO, Marin Co., Cal. Water  
Street.

Frame bungalow court, 8 one-story  
2-room and sun porch apartments  
built around a court.

Owner—Withheld.  
Architects—O'Brien Bros., 240 Mont-  
gomery St., San Francisco.

Figures are being taken for a gen-  
eral contract.

Excavation Started. To Take Segre-  
gated Figures.

APARTMENTS. Cost, \$45,000  
SAN FRANCISCO. S Pine Street 60 W  
Stockton Street.

Three-story and basement frame apart-  
ments, 50x90 (54 rooms; 24 2 and  
3-room apts.)

Owner—Anna Hladik.  
Architect—J. C. Hladik, Monadnock  
Bldg., San Francisco.

Work will be done by days labor and  
sub-contracts.

Plans Being Prepared.  
STORES & APARTMENTS  
Cost, \$35,000.

MODESTO, Stanislaus Co., Cal. Tenth  
Street.

Three-story fireproof stores and (34)  
apartments, 50x140.

Owner—Geo. Kounias, 828 10th St., Mo-  
desto.

Architect—Not Given.

Sketches Being Prepared.  
APARTMENTS. Cost, \$—

FRESNO, Fresno Co., Cal.  
Three two-story frame apartment  
houses.

Owner—John Manning, 924½ "J" St.,  
Fresno.

Architects—Weeks & Day, Phelan Bldg  
San Francisco.

Mr. Manning is a general contractor  
and will do the work by days labor and  
sub-contracts.

Plans Being Prepared.  
APARTMENTS. Cost, \$50,000  
FRESNO, Fresno Co., Cal. Divisadero  
and College Streets.

Hollow tile apartment house, 135x75  
(20 2-room apts).

Owner—Mrs. Adelaide Jones.  
Architects—Coates & Traver, Rowell  
Bldg., Fresno.

Plans Being Prepared.  
APARTMENTS. Cost, \$30,000  
SAN FRANCISCO. Lake Street.

Three-story and basement frame  
apartment house, 32 rooms (9 3  
and 4-room apts).

Owner—Withheld.  
Architect—A. M. Hardy, 212 8th Ave.,  
San Francisco.

Mr. Hardy will be pleased to receive  
catalogues and information on heating  
systems, wall beds, exterior plastering  
and all other modern apartment con-  
veniences.

Plans Being Prepared.  
ALTERATIONS. Cost, \$18,000  
SAN FRANCISCO. McAllister Street  
near Buchanan.

Alter three-story frame flats into 9 2  
and 3-room apartments.

Owner—Withheld.  
Architect—O. E. Evans, 2569 Mission  
St., San Francisco.

Plans Being Prepared.  
ALTERATIONS. Cost, \$15,000  
SAN FRANCISCO. Fell and Webster.

Alter two-story frame residence into 8  
flats of 4 rooms each.

Owner—Withheld.  
Architect—O. E. Evans, 2569 Mission  
St., San Francisco.

### BANKS

SHAFTER, Kern Co., Cal.—A build-  
ing, 35x60 feet, will be erected in  
Shafter for a new bank now being or-  
ganized to be operated in connection  
with the First National Bank of Bak-  
ersfield, according to W. E. Benz of  
the Bakersfield Bank.

Contract Awarded.  
ALTERATIONS. Cost, \$50,000  
approximately.

SAN FRANCISCO. No. 336 Second St.  
Extensive alterations to Class "C"  
buildings.

Owner—U. S. Rubber Co., Premises.  
Architect—Mr. Bristoe of the U. S.  
Rubber Company.

Contractor—Wm. Mart'n, 180 Jessie  
St., San Francisco.

Plans Being Figured.  
CHURCH. Cost, \$50,000  
FRESNO, Fresno Co. Cal.

Three-story and basement reinforced  
concrete church.

Owner—Japanese Buddhist Church, 835  
"E" St., Fresno.

Architects—W. C. Hays and T. Kura-

hashi, Associated, First National  
Bank Bldg., San Francisco.

SPOKANE, Wash.—Petitions have  
been presented to the Spokane County  
Commissioners asking the calling of  
an election to decide the question of  
issuing bonds of \$100,000 with which  
to finance construction of a county  
juvenile detention home.

Plans Being Prepared.  
ALTERATIONS. Cost, \$—  
SAN FRANCISCO. S Market bet. 3rd  
and 4th Streets.

Alterations and extension to banking  
quarters (bronze, marble work,  
new elevator, etc.)

Owner—Humboldt Bank.  
Architect—Smith O'Brien, Bankers' In-  
vestment Bldg., San Francisco.

### BONDS.

SAN FERNANDO, Los Angeles Co.,  
Cal.—An election will be called soon  
to vote on issuing \$165,000 bonds to  
provide for the purchase of the pres-  
ent water supply system in San Fer-  
nando and reconstructing it and in-  
creasing the water supply. About \$40,-  
000 will be required to purchase the  
present plant and about \$125,000 will  
be spent on improvements. It is pro-  
posed to sink new wells, construct a  
reservoir and reconstruct the distrib-  
uting system. A. L. Sonderegger, Cen-  
tral Bldg., Los Angeles, is the consult-  
ing engineer.

SAN RAFAEL, Marin Co., Cal.—The  
matter of constructing a modern high  
school building in this city is planned.  
Meetings are to be held weekly urging  
the calling of a bond election to finance  
Pratt Inman is a member of the San  
construction of the proposed building.  
Rafael Board of Education.

HUNTINGTON BEACH, Orange Co.,  
Cal.—The \$40,000 bond issue for a mu-  
nicipal gas plant was sold to The Lum-  
berman's Trust Co. of Portland, Ore., at  
\$2560 premium. Olmsted & Gillelen and  
J. M. Berkeley, associated, Hollings-  
worth Bldg., Los Angeles, are the en-  
gineers for the gas plant improvements.

LIVE OAK, Sutter Co., Cal.—Steps  
are being taken here for the formation  
of a union high school district. After  
formation it is planned to call an elec-  
tion to vote bonds to finance con-  
struction of a high school building.

The plan is being backed by the  
local Chamber of Commerce.

### SCHOOL BONDS.

SANTA BARBARA, Cal.—The Board  
of Education has decided to call an  
election to vote on issuing \$175,000  
bonds to build four new grade school  
buildings, replacing the present Frank-  
lin, Lincoln, Wilson and Riviera  
schools, and to build two kindergarten  
buildings. The new grade schools will  
each contain eight class rooms and an  
assembly hall.

MARTINEZ, Contra Costa Co., Cal.—Plans are being considered by the school trustees for the erection of a new school house in the Highlands district in the San Ramon Valley.

COALINGA, Fresno Co., Cal.—An election will be held in the Claremont School District November 15th, to decide the question of issuing and selling bonds with which to finance the construction of school improvements. Trustees of the District are: A. C. Leslie, W. H. Boyce and J. E. Power.

LEWISTON, Idaho.—Bonds of \$400,000 have been voted by the Pierce County citizens to finance construction of bridge and road improvements. The \$400,000 will be augmented by \$200,000 from the state, and \$600,000 by the federal government, thus securing to the county a fund of \$1,200,000 for imperatively needed road improvement and bridge building.

HILLSBOROUGH, San Mateo Co., Cal.—The City Trustees have instructed Chairman H. W. Poett of the Police and Fire Committee to secure data for the calling of a bond election to secure funds for the purchase of a booster fire pump engine and the installation of a Gamewell fire alarm system.

TRACY, San Joaquin Co., Cal.—November 21st is the date set by the City Trustees to vote bonds of \$34,500 for the purpose of purchasing school lots, for building or purchasing one or more school buildings or making alterations or additions to any school building or buildings or for repairing or restoring any school buildings, and for supplying school buildings with furniture or necessary apparatus.

An architect has not been selected.

OROVILLE, Butte Co., Cal.—The Committee of Twenty-One has completed a revised program for the bond of Butte County and will submit a report to the County Supervisors at the next meeting.

It is planned to call an election to vote bonds of \$1,800,000 with which to build a permanent highway system. Martin C. Polk is County Engineer.

POMONA, Los Angeles Co., Cal.—The City Attorney has been instructed to draft an ordinance for an election to vote on issuing bonds to improve about 12 miles of city streets, estimated to cost \$200,000. C. E. Bayley, City Engineer. The principal work will be to complete the paving on San Antonio avenue.

PETALUMA, Sonoma Co., Cal.—November 13th is the date set by the City Trustees for voting \$80,000 with which to finance the improvement of Main and Third streets.

VALLEJO, Solano Co., Cal.—Bids will be received by City Clerk Alf. E. Edgumbe, up to November 10th, 11 A. M., for the purchase of street improvement bonds issued under the "Improvement Bond Act of 1915," which will finance the improvement of Tennessee street from the east line of Napa Road to a point 200 feet easterly from Monterey street, by excavating and filling the sub-grade of pavement between curbs and including the trenching and filling

for curbs, trimming slopes, construction of Portland cement concrete curbs 14 inches high, top width 6 inches, bottom width 9 inches, from Napa Road to Alameda and from Alameda to Monterey street, construction of vitrified ironstone sewer pipe house laterals, 4 inches in diameter; construction of corrugated galvanized iron culvert, 18 in. in diameter, 50 feet long with concrete jacket and head walls and laying a pavement 32 feet wide between curbs consisting of a bitulastic surface, 1½ inches thick on a 4-inch asphalt concrete base. Further information may be had from the City Clerk.

TRACY, San Joaquin Co., Cal.—Petitions are being circulated throughout the West Side Irrigation District asking the calling of an election to decide the question of issuing bonds of \$150,000 to finance the lining of certain portions of the canal with concrete to prevent excessive seepage and for repairs to the concrete pipe and ditches. The proposed issue has been approved by the State Bonding Commission.

EUREKA, Humboldt Co., Cal.—The auditorium, swimming pool, playground and municipal wood yard propositions failed to carry at a bond election held recently. Each proposition failed to secure the necessary two-thirds majority.

BLYTHER, Riverside Co., Cal.—The \$36,000 bond issue voted to construct a municipal water system for Blythe was sold to Citizens National Bank of Los Angeles at par. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, are the Consulting Engineers.

YUMA, Ariz.—An election will be held in the North Gila Valley Irrigation District to vote on issuing \$40,000 for improvements, including the following items: Dragline dredge, \$8000; constructing 21 turnouts, \$2,100; cleaning and repairing 4 miles main canal, \$5720; rebuilding and raising 3 miles of canal banks, \$12,488; building 5 bridges, 1200'; drainage canal, \$2250; and 8 miles telephone line, \$1200. O. W. Humphrey, District Secretary.

## CHURCHES

Plans Being Figured.  
CHURCH Cost, \$30,000  
SEATTLE, Wash. Fairmount Avenue and John Street.  
Brick and stone church, 50x74.  
Owner—Norwegian Free Church.  
Architect—John A. Creutzler, Leary Bldg., Seattle, Wash.

Plans Being Prepared.  
CHURCH Cost, \$25,000  
LOS ANGELES, Cal. NE 12th and New Hampshire Streets.  
Frame and stucco church.  
Owner—Japanese M. E. Church.  
Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

Plans Being Figured.  
ALTERATIONS Cost, \$45,000  
SAN FRANCISCO. NE Market and Sansome Streets.  
Extensive interior alterations (bronze marble and cabinet work).

Owner—Anglo California Trust Co. Premises.

Architect—H. H. Winner, Humboldt Bank Bldg., San Francisco.

Plans to be Prepared.  
CHURCH Cost, \$30,000  
\$12,000 available for construction.  
FRESNO, Fresno Co., Cal. Van Ness and Ventura Streets.

Fireproof church building.

Owner—Pilgrim Armenian Congregational Church.

Architect—Not Yet Selected.

The following persons are interested in the erection of the proposed building and have subscribed \$1,000 each: Karl Emirzian, Benj. H. Janigian, Avedis Nahigian, M. M. Shoshan, G. Googolian, G. M. Kaprielian and B. Parigian.

YUBA CITY, Sutter Co., Cal.—The proposition of enlarging the church building in Barry district is being discussed by the church members and the following committee has been appointed to take up the matter: R. T. Hoon, L. D. Baun, C. P. Carlson and F. Jones.

Plans Being Prepared. Ready for Figures Next Week.

UNDERTAKING PARLOR, ETC.

Cost, \$20,000.

SAN FRANCISCO. W. Buchanan St.

S Turk.

Two-story frame undertaking parlor and chapel (brick veneer facing).

Owner—Cheva Kadisha.

Architect—S. Heiman, 57 Post St., San Francisco.

## COURTHOUSES.

Plans Being Prepared. Grantee Contract Awarded.

MAUSOLEUM Cost, \$125,000

TROPICO, Los Angeles Co., Cal. Forest Lawn Cemetery near Tropic.

Second unit of reinforced concrete, marble and granite mausoleum.

Owner—American Security Co., Hollingsworth Bldg., Los Angeles.

Architect—T. Patterson Ross, 310 California St., San Francisco.

Granite Contractor—McGillivray Stone Co., 634 Townsend St., San Francisco.

The concrete and other work is being done by days labor.

## FACTORIES AND WAREHOUSES. COURTHOUSES

Plans Being Prepared.

COFFEE PLANT Cost, \$—

GAUTAMALA.

First unit of coffee plant.

Owner—The American Commerce & Finance Company.

Architects—Glass & Butner, Cory Bldg., Fresno.

The first unit of the group will be 75 by 300 feet ground space. On account of earthquakes the frames and trusses will be of wood. The floor will be of solid mahogany.

The greater part of the lumber and timbers for the building will be shipped from the United States, being cut to size in this country.

Contract Awarded.

STORAGE BLDG. Cost, \$80,000

BRAWLEY, Imperial Co., Cal.

Reinforced concrete storage building.  
100x110.  
Owner—Imperial Ice & Development  
Company.  
Architect—C. M. Gay & Son, 2650  
Santa Fe Ave., Los Angeles.  
Contractor—Fred L. Somers, 2650  
Santa Fe Ave., Los Angeles.

Contracts Awarded.  
ADDITION Cost, \$30,000  
SAN FRANCISCO, W Capp Street 100  
S Sixteenth Street.  
Five-story brick addition, 50x105, to  
warehouse.  
Owner—Lachman Bros., Mission and  
16th Sts., San Francisco.  
Architect—S. Heiman, 57 Post Street,  
San Francisco.  
Concrete Work to Mission Concrete &  
Mosaic Company.  
Brick Work to H. E. Drake.  
Carpentry to John J. Binet.  
Mill Work to Reinhart Lumber Co.  
Roof to Mallott & Peterson.  
(30822) 1st report Oct. 15, 1919.

Completing Plans.  
ADDITION Cost, \$—  
SAN FRANCISCO. Second and Bryant  
Streets.  
Five-story mill construction with steel  
tower addition to lithograph plant  
also a steel and concrete press room  
building, 80x125 in rear.  
Owner—Schmidt Lithograph Co., Prem.  
Designer and Manager of Construction  
—Frederick Whitton, 369 Pine St., San  
Francisco.  
Construction will start about the  
15th of November at which time figures  
will be taken.

Contractor Awarded.  
FACTORY Cost, \$40,000  
PORTLAND, Ore. 20th and Guild Sts.  
Two-story and basement brick and  
concrete factory, 100x150.  
Owner—Pettit Feather & Bed Co.  
Architect—F. Manson White, Chamber  
of Commerce Bldg., Portland.  
Contractor—Roy O. Powers, Portland,  
Oregon.  
Other contracts awarded as follows:  
Coffey Plumbing Co., plumbing; Fin-  
negan & Williams, Inc., heating; Elec-  
trical Contract not yet let.

Segregated Figures Being Taken  
ADDITION Cost, \$50,000  
WOODLAND, Yolo Co., Cal.  
Brick and reinforced concrete addition  
to Sanitarium.  
Owner—Woodland Sanitarium.  
Architect—W. H. Weeks, 75 Post St.,  
San Francisco.

Plans Being Prepared.  
FACTORY BLDG. Cost, \$100,000 to  
\$500,000.  
LOS ANGELES, Cal. NW Figueroa and  
Eighth Streets.  
Six-story reinforced concrete factory  
building.  
Owner—Brownstein-Louis Company.  
Architect—John E. Parkinson, 420 Title  
Insurance Bldg., Los Angeles.  
Preliminary plans will be prepared at  
once but the owners and architect will  
probably go East to study modern fac-  
tory buildings before working draw-  
ings are prepared.

Contract Awarded.  
SERVICE STATION Cost, \$9,329  
BERKELEY, Alameda Co., Cal. NW  
University Ave. and Milvia St.

One story brick service station.  
Owner—D. B. Hunter.  
Architect—James W. Plachek, 2014  
Shattuck Ave., Berkeley.  
Contractor—C. T. Schull, 3035 Harper  
St., Berkeley.

RAY POINT, Contra Costa Co., Cal.—  
Work will be started in the near future  
by the Pacific Alloy & Steel Company  
on the enlargement of its present  
plant. Steel for construction is now  
on the ground. The construction of ten  
huge furnaces is also planned.

SACRAMENTO, Cal.—The Pacific  
Auto Railcar Company, a million dollar  
industry, has completed plans for its  
factory along the Twelfth street road,  
just north of Sacramento, and will soon  
start construction work. The plant  
will cover eight acres and will provide  
employment for 400 workers. Rail-  
way motor cars and automobile bodies  
will be manufactured. A. R. Meister  
and S. D. Rogers are at the head of the  
company.

## FLATS.

Plans Being Figured.  
FRAME FLATS Cost, \$—  
SAN FRANCISCO, NW Sacramento and  
Scott Streets.  
Two two-story and basement frame  
flat buildings (3 flats each).  
Owner—J. C. Steiner.  
Architect—Chas. F. Strothoff, 2276 15th  
St., San Francisco.

## GARAGES

Plans Being Prepared.  
GARAGE Cost, \$12,000  
PETALUMA, Cal.  
One-story reinforced concrete garage.  
Owner—Withheld.  
Architect—Brainard Jones, Petaluma.  
Mr. Jones has also prepared plans  
for the following buildings:  
Two-story frame cottage, cost, \$2500  
Two one-story frame garages, cost,  
\$3000 each.  
Two-story frame cottage, cost, \$6000

Contract Awarded.  
GARAGE Cost, \$32,097  
PORTLAND, Ore. 16th and Gilson Sts.  
Two-story reinforced concrete garage,  
100x100.  
Owner—Monte Mayer.  
Architect—Emil Schacht, Common-  
wealth Bldg., Portland.  
Contractor—Victor Carlson, Portland.  
Other contracts awarded as follows:  
Gunther-King, roof sheet metal  
work.  
D. W. Ward, plaster.  
Portland Plumbing & Heating Co.,  
plumbing and heating.  
Vanderlip & Lord, wiring.

Plans Being Figured.  
GARAGE, ETC. Cost, \$25,000  
FRESNO, Fresno Co., Cal. W Van  
Ness Ave.—S Kern St.  
One-story fireproof auto salesroom  
and garage, 75x100.  
Owner—M. M. Shooshan.  
Lessee—Spear-Bourst Auto Co., Coal-  
ing.  
Architect—Fred A. Swartz, Rowell  
Bldg., Fresno.

The exterior will be of cement in  
colors, semi-colonial details.  
A feature of the building is that it  
is of the type of construction known

as one-span truss, with no pillars or  
supports in the garage.

Contract Awarded.  
LOS ANGELES, Merced Co., Cal.  
GARAGE Cost, \$12,475  
One-story reinforced concrete garage  
150x50, with two-story annex, 30x  
50, for offices and apartment of 3  
rooms.

Owner—Jack Ariglia.  
Architect—C. Fantoni, 550 Montgom-  
ery St., San Francisco.  
Contractor—J. Martinielli, 1125 Mason  
St., San Francisco.

Plans Being Figured. Grading and  
Concrete Work Contracts Awarded.  
MACHINE SHOP Cost, \$30,000  
SAN FRANCISCO. N Bush Street 137-6  
W Taylor Street.

One-story Class "C" store and machine  
shop building.  
Owner—Paulina Shoenberg.  
Architect—M. I. Schwartz, Nevada Bk.  
Bldg., San Francisco.

The grading contract has been  
awarded to the Eureka Teaming Co.  
and the concrete work to Barrett &  
Hilp. Figures are being taken on all  
other parts of the work.

Plans Being Figured.  
MACHINE SHOP Cost, \$17,000  
SAN FRANCISCO. N Post Street — E  
Hyde Street.  
One-story and basement brick machine  
shop, 30x137-6.  
Owner—Withheld.  
Architect—M. I. Schwartz, Nevada Bk.  
Bldg., San Francisco.

Plans Being Prepared.  
GARAGE Cost, \$45,000  
SAN FRANCISCO. Downtown District.  
One-story and basement reinforced  
concrete garage and (5) stores.  
Owner—Withheld.  
Architect—M. I. Schwartz, Nevada Bk.  
Bldg., San Francisco.

Contract Awarded.  
GARAGE Cost, \$—  
SANTA ROSA, Sonoma Co., Cal. Fourth  
and "F" Streets.  
One-story brick and concrete garage,  
48x60.  
Owner—Dunham Garage for Napa-  
Sonoma Stage Line.  
Architect—Not Given.  
Contractor—George Rielly, Olive and  
Powell Sts., Santa Rosa.

Contract Awarded.  
GARAGE, ETC. Cost, \$105,000  
approximately.  
OAKLAND, Cal. Grand Avenue near  
Webster Street.  
Four-story reinforced concrete auto  
sales and garage building.  
Owner—Roger Coit Invest. Co., 306 14th  
St., Oakland.  
Lessee—H. O. Harrison Company.  
Architect—M. I. Diggs, Union Savings  
Bank Bldg., Oakland.  
Contractor—Palmer & Petersen, Mo-  
nadnock Bldg., San Francisco.

Contract Awarded.  
GARAGE Cost, \$—  
BURLINGAME, San Mateo Co., Cal.  
Frame private garage.  
Owner—Leroy Schlesinger.  
Architect—Julius Kraft & Sons, Phe-  
lian Bldg., San Francisco.  
Contractor—Isaac Penny, Chronick  
Bldg., San Francisco.

Plans Being Prepared.

GARAGE Cost, \$50,000  
MODESTO, Stanislaus Co., Cal. NE  
10th and "K" Streets.

Two-story reinforced concrete garage  
and auto salesroom, 75x140.

Owner—L. H. Petersen, 819 11th St.,  
Modesto.

Architect—Not Given.

Plans Being Re-figured. Bids Close

November 5th. 4 P. M.

SHOP BLDG. Cost, \$—

MONTEREY, Monterey Co., Cal.

Erection and completion of shop build-

ing.

Owner—Monterey Union High School

District, James McIntosh, Clerk.

Architect—Ralph Wyckoff, 328½ Main

St., Salinas, Cal.

October 30, 1919.

Contract Awarded.

RANCH BUILDINGS Cost, \$—

SAN SIMEON, San Luis Obispo Co., Cal.

Group of reinforced concrete ranch

buildings.

Owner—Wm. Randolph Hearst,

Architect—Miss Julia Morgan, Mer-

chants' Exchange Bldg., San Fran-

cisco.

Contractor—H. E. Washburn, Premises.

## GOVERNMENT WORK AND SUPPLIES

SUPPLIES FOR THE NAVY—Navy  
Department, Bureau of Supplies and  
Accounts, Washington, D. C.—Sealed  
bids will be received here for furnish-  
ing supplies under schedules as fol-  
lows:

Closing date noted at end of each  
paragraph.

Schedule 4701, for eastern and west-  
ern yards, miscellaneous tungsten and  
carbon tool steel, opening of November  
18.

Schedule 4885, for Puget Sound, 1  
steam towing machine, opening of No-  
vember 14.

Schedule 4894, for Puget Sound, 2,400  
feet flexible copper cable, opening of  
November 4.

Schedule 4902, for Mare Island, 2 motor  
generators, opening of November 7.

Schedule 4909, for eastern and west-  
ern yards, meat and food grinders,  
opening of November 18.

Schedule 4911, for eastern and west-  
ern yards, sliding T bevels opening of  
November 11.

Schedule 4912, for eastern and west-  
ern yards, drill drifts, opening of No-  
vember 11.

Schedule 4913, for eastern and west-  
ern yards, brass wood screws, opening  
of November 21.

Schedule 4914, for eastern and west-  
ern yards, steel machine screws, open-  
ing of November 21.

Schedule 4929, for eastern and west-  
ern yards, 27 dough-mixing machines,  
7 kitchen and cake machines and 24  
metal dough troughs, opening of No-  
vember 21.

Schedule 4930, for eastern and west-  
ern yards, 33 steam jacketed kettles,  
opening of November 21.

Schedule 4931, for eastern and west-  
ern yards, potato peelers, opening of  
November 21.

Schedule 4932, for eastern and west-  
ern yards, 5 solidifying cabinets, brine  
pumps and 32 ice cream freezers, open-  
ing of November 21.

Schedule 4933, for eastern and west-  
ern yards, 19 bakery proofers, opening  
of November 21.

Schedule 4935, for eastern and west-  
ern yards, butter cutting, meat slicing,  
vegetable mashing and bread slicing  
machines, opening of November 21.

Schedule 4937, for eastern and west-  
ern yards, 6 electric ranges and 2 elec-  
tric ovens, opening of November 21.

For further information address the  
bureau of supplies and accounts, Navy  
Department, Washington, D. C.

Contract Awarded.

ALTERATIONS Cost, \$5,949

SAN FRANCISCO. U. S. Marine Hos-

pital, San Francisco.

Extension and remodeling of boiler

room in boiler building.

Owner—United States Government.

Architect—None.

Contractor—Barrett & Hilp, Sharon

Bldg., San Francisco.

WASHINGTON, D. C.—Plans are be-

ing prepared by the Bureau of Yards

and Docks, Navy Department, for the

extension of radio buildings at San

Diego, Calif. The work is provided for

under Specification No. 4070.

Specifications are also being prepared

by the Bureau of Yards and Docks for

painting three 600 foot radio towers at

San Diego under Specification No. 4067.

Bids for the above projects will be

called for shortly.

WASHINGTON, D. C.—The following

bids were received October 16 by the

Supervising Architect, Treasury De-

partment, Washington, D. C., for alter-

ations and remodeling in the U. S. Post

Office and Court House, San Antonio,

Texas.

Geo. E. Wright, Chicago, Ill., \$33,000.

H. H. Knuth, San Antonio, Tex., \$30,-

430.

## RADIO STATION PLANNED AT GRAYS HARBOR.

ABERDEEN, Wash.—W. E. White, R.

R. Rice and R. J. Driscoll, represent-

ing the District Radio Office at Bremer-

ton, are gathering details for recom-

mending for the establishment of a

\$1,000,000 naval and commercial radio

station at Grays Harbor, which will

serve to communicate with Japan, Cor-

dova, Philippines and Vladivostok.

## PROPOSALS FOR electrical hardware, equipment cable, cord, etc.—

Sealed proposals will be received at the

Office of the General Purchasing Of-

ficer, The Panama Canal, Washington,

D. C., until 10:30 o'clock A. M., No-

vember 10, 1919, at which time they

will be opened in public for furnish-

ing the above-mentioned articles.

Blanks and information relating to this

Circular (1311) may be obtained from

this office or the office of the Assistant

Purchasing Agent, Fort Mason, San

Francisco, Calif.; also from the United

States Engineer Offices in the principal

cities throughout the United States. A.

J. FLINT, General Purchasing Officer.

## HALL AND SOCIETY BUILDINGS.

MANTECA, San Joaquin Co., Cal.—

Articles of incorporation have been filed

with the County Clerk by the Masonic

Temple Association of Manteca with a

capital stock of \$50,000. It is planned

to construct a modern Masonic Temple.

Seven of the incorporators were

elected directors of the new association  
as follows: J. H. Austin, R. P. Duncan,  
A. S. Bomberger, H. S. Fuller Jr., Hugh  
W. Campbell, E. E. Douglass and James  
L. Hansen.

The other incorporators are C. H.  
Laiblin, L. H. Blake, T. T. Wiggins, J.  
M. Luck, F. M. McLeod, J. D. Dean G.  
H. Grant, George C. Ruthernuth, Victor  
Norberg, C. Victor Strom, C. W. Forbes  
and E. R. Pahre.

LONG BEACH, Los Angeles Co., Cal.—  
The Virginia Country Club has voted to  
purchase 125 acres in the Los Cer-  
itos district. It is the intention to  
erect a \$50,000 clubhouse, furnish it at  
a cost of about \$15,000, and lay out a  
golf course. The land will cost \$60,000.  
Dr. A. C. Sellery has been handling the  
deal for the club.

Plans to be Prepared.

LODGE AND STORE BUILDING

Cost, \$—

VALLEJO, Solano Co., Cal. S Virginia

St., bet. Sacramento and Santa

Clara Streets.

Fireproof lodge and store building.

Owner—Vallejo Aerie No. 71, Fraternal

Order of Eagles, Vallejo. Arthur

Perry, President.

Architect—Yet to be Selected.

The following has been appointed to

secure estimates of costs, class of con-

struction, etc.: John Davidson, Joseph

Cannon, J. P. Greggins, William J.

England, I. Harris Jr., H. J. Elvin,

Richard J. Ryall and W. W. Winchell.

## HOSPITALS

Ready for Figures About November

10th.

HOSPITAL Cost, \$500,000 ap-

proximately.

OAKLAND, Alameda Co., Cal. 14th

Avenue and E-27th Street.

First unit Class "A" hospital; service

building, two dormitory buildings,

and connecting corridors.

Owner—Alameda County.

Architect—Henry H. Meyers, Kohl

Bldg., San Francisco.

Bids for a general contract on the

above will be called for about Novem-

ber 10th, and 45 days will be allowed

for figuring instead of the usual 30

days.

Contract Awarded.

NURSES' HOME Cost, \$57,000

FRESNO, Fresno Co., Cal.

Two-story and basement concrete and

brick nurses' home, 106x70.

Owner—Burnett Sanitarium, 1234 "S"

St., Fresno.

Architect and Designer—R. F. Felchlin

Bank of Italy Bldg., Fresno.

Building will provide quarters for

70 nurses, each nurse's room to have

lavatory and two closets. Assembly

hall and recreation quarters are also

provided for.

Preliminary Plans Being Prepared.

HOSPITAL Cost, \$—

SAN FRANCISCO. California and

Maple Streets, San Francisco.

Fireproof hospital.

Owner—Children's Hospital (Mrs. A. F.

Morrison, President).

Architects—Bakewell & Brown, 251

Kearny St., San Francisco.

The architects will prepare plans for

the complete hospital group, to cost ap-

proximately \$1,000,000, but only a por-

tion will be built in the near future



as funds will have to be raised. The portion that will be erected first will cost about \$200,000.

#### Plans Being Figured.

**BRICK BANK** Cost, \$—  
KNIGHTS LANDING, Yolo Co., Cal.  
One-story brick bank.  
Owner—Douglas McGriff.  
Lessee—First National Bank of Woodland.  
Architect—W. H. Weeks, 75 Post St., San Francisco.

#### Building Permit Granted.

**COTTAGES** Cost, \$6,500  
SANTA ROSA, Sonoma Co., Cal. Seventh and "A" Streets.  
Four one-story frame cottages (all to be connected by corridors) for hospital.  
Owner—The Cottage Hospital, H. S. Gutermute, Santa Rosa.  
Architect—Not Given.

### HOTELS

Contract Awarded. Excavation Started  
**HOTEL** Cost, \$16,000  
BENICIA, Solano Co., Cal.  
One-story pressed brick and shingles bungalow hotel, 80x106.  
Owner—Wm. Foreman, Benicia, Cal.  
Architect—Not Given.  
Contractor—C. Barench, Vallejo, Cal.

#### Plans Being Prepared.

**HOTEL, ETC.** Cost, \$50,000  
CALIFORNIA. Out of Town.  
Four-story reinforced concrete hotel and cottages.  
Owner—Withheld.  
Architect—C. H. Skidmore, New Call Bldg., San Francisco.

#### Plans Prepared.

**ANNEX TO HOTEL** Cost, \$—  
SUSANVILLE, Lassen Co., Cal.  
Annex to St. Francis Hotel (30 rooms).  
Owner—W. H. Neihause, Susanville.  
Architect—F. J. De Longchamps, Gazette Bldg., Reno, Nevada.

#### Contract Awarded.

**HOTEL, ETC.** Cost, \$45,000  
STOCKTON, San Joaquin Co., Cal. El Dorado and Lafayette Streets.  
Three-story and basement brick hotel and 7 stores, 65x80 (60 rooms).  
Owner—L. Cassinelli, Stockton.  
Architect—Walter King, Call Bldg., San Francisco.  
Contractors—Totten & Trewitt, Stockton.

### LIBRARIES.

NAPA, Napa Co., Cal.—The City Council has approved specifications for the installation of a heating system in the Goodman Library and a call for bids will be issued shortly.

#### Plans Being Prepared.

**BRANCH LIBRARY** Cost, \$8,000  
TAFT, Kern Co., Cal.  
Branch library.  
Owner—City of Taft.  
Architect—Thos. B. Wiseman, Morgan Bldg., Bakersfield.

### PUBLIC BUILDINGS

WEIMAR, Placer Co., Cal.—The contract for the installation of laundry equipment in the Tubercular building at Weimar has been awarded to the

Troy Laundry Machinery Co., 954 Mission St., San Francisco, at \$8,700.

Plans for the building were designed by Architects R. A. Herold and J. E. Stanton, Associate, Forum Bldg., Sacramento.

The hospital is to be operated jointly by the following counties:

Amador, Colusa, Contra Costa, El Dorado, Placer, Plumas, Sacramento, Sutter, Tuolumne, Yolo and Yuba.

#### Commissioned to Prepare Plans.

**CITY HALL, ETC.** Cost, \$75,000  
VENTURA, Ventura Co., Cal. Site 200x250.  
Two-story and basement brick City Hall and Library.  
Owner—City of Ventura (Site donated by E. P. Foster).  
Architect—Alfred F. Priest, 615 Fay Bldg., Los Angeles.

#### Completing Plans.

**CAPITOL EXTENSION** Cost, \$3,300,000.  
SACRAMENTO, Cal. Capitol Grounds.  
Two four-story and basement Class "A" Capitol Extension Buildings (Library and Court Building and Office Building.)  
Owner—State of California.

Architects—Weeks & Day, Phelan Bldg., San Francisco.

It is planned to have drawings and specifications complete so that bids may be called in January.

FRESNO, Fresno Co., Cal.—The County Board of Supervisors and the City Council of Fresno are planning the construction of a number of comfort stations, at least three, in the immediate vicinity of Fresno.

Preliminary plans for the structures have been prepared and it is thought that early construction on the buildings will be started.

### RESIDENCES.

**ALTERATIONS, ETC.** Cost, \$3,850  
SAN FRANCISCO, 17th Avenue.  
Build garage and alter and add to frame residence.  
Owner—Mr. Randall.  
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.  
Contractor—Peter Hamilton, Russ Bldg., San Francisco.

#### Plans Being Figured.

**RESIDENCE** Cost, \$25,000  
HILLSBOROUGH, San Mateo Co., Cal.  
Two-story frame residence and garage (15 rooms and 3 bathrooms).  
Owner—Withheld.  
Architects—Howard & White, Lick Bldg., San Francisco.

#### Ready For Figures in a Few Days.

**RESIDENCE** Cost, \$12,000  
SAN FRANCISCO, Forest Hill.  
Two-story and basement frame residence and garage (9 rooms and 3 bathrooms).  
Owner—Withheld.  
Architect—Walter Falch, Hearst Bldg., San Francisco.

#### Contract Awarded.

**RESIDENCE** Cost, \$19,000  
SACRAMENTO, Cal. No. 1435 Thirtieth Street.  
Two-story residence (11 rooms).  
Owner—Dr. C. B. McKee, Mitau Bldg., Sacramento.  
Architect—Not Given.

Contractor—C. J. Guth, 1516 27th St., Sacramento.

#### Plans Being Prepared.

**FRAME RESIDENCE** Cost, \$—  
HILLSBOROUGH, San Mateo Co., Cal.  
Near Hillsborough.  
Two-story and basement frame residence.  
Owner—Mr. Meyer.  
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.

#### Plans Being Prepared.

**RESIDENCE** Cost, \$12,000  
SALINAS, Monterey Co., Cal.  
Two-story frame and plaster residence (8 rooms and 2 bathrooms).  
Owner—C. M. Hansen, Salinas.  
Architect—Ralph Wyckoff, 328½ Main St., Salinas.

#### Preliminary Figures Being Taken.

**RESIDENCE** Cost, \$20,000  
CONCORD, Contra Costa Co., Cal.  
Two-story frame residence (10 rooms and 4 bathrooms).  
Owner—Mrs. Geo. W. McNear.  
Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

#### Plans Being Prepared.

**RESIDENCE, ETC.** Cost, \$50,000  
SANTA BARBARA, Cal. Parra Grande Lane.  
Large residence, garage and caretaker's dwelling.  
Owner—Milo Minton Potter.  
Architect—Francis Wilson, 717½ State St., Santa Barbara, Cal.

#### To be Done by Day Labor.

**RESIDENCE** Cost, \$30,000  
OSWEGO, Oregon.  
Two-story frame and stucco residence (11 rooms).  
Owner—W. M. Ladd.  
Architect—Lawrence & Holford, Chamber of Commerce Bldg., Portland.

#### Contract Awarded. Excavation Started

**FRAME DWELLINGS** Cost, ranging from \$4,000 to \$7,500 each.  
SAN JOSE, Santa Clara Co., Cal. Palm Haven Tract.  
Twenty-two one and two-story and basement frame dwellings.  
Owner—Palm Haven Investment Co.  
Designers and Contractors—Wallace & Bush, Bank of San Jose Bldg., San Jose.

#### Plans Being Figured.

**FRAME BUNGALOW** Cost, \$6,000  
SAN MATEO, San Mateo Co., Cal.  
Prospect Road and Peninsular Avenue.  
One-story 7-room frame bungalow.  
Owner—W. H. Hoover.  
Architect—W. L. Schmoll, Room 5, 40 Montgomery St., San Francisco.

#### Contract Awarded on a Percentage Basis.

**RESIDENCE** Cost, \$—  
LOS GATOS, Santa Clara Co., Cal. Near Los Gatos.  
Two-story and basement frame residence and garage.  
Owner—Withheld.  
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.  
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.

Plans Being Figured.  
ALTERATIONS Cost, \$2,000  
MILL VALLEY.  
Alter and add to frame residence.  
Owner—C. M. Cofer, Mill Valley.  
Architect—W. L. Schmoll, Room 5, 40  
Montgomery St., San Francisco.

Plans Being Prepared.  
RESIDENCE Cost, \$10,000  
BERKELEY, Alameda Co., Cal. Warring  
Street.

Two-story and basement frame residence  
and garage (7 rooms and 2  
bathrooms).  
Owner—Arthur G. Wood.  
Architect—W. H. Ratcliff Jr., 1st National  
Bank Bldg., Berkeley.

Plans Being Prepared.  
RESIDENCE Cost, \$6,000  
SAN FRANCISCO. Thirty-second Ave.  
bet. Anza and Balboa Streets.  
Two-story frame residence.  
Owner—Earle Anthony.  
Architect—C. H. Skidmore, New Call  
Bldg., San Francisco.

Contract Awarded.  
RESIDENCE Cost, \$—  
SARATOGA, Santa Clara Co., Cal. Near  
Saratoga.

Two-story and basement frame residence  
and garage (tile roof).  
Owner—Witheld.  
Architect—Miss Julia Morgan, Merchants'  
Exchange Bldg., San Francisco.

Contractor—Morrison Bros., Santa  
Clara and Builders' Exchange, San  
Jose.

## SCHOOLS

Plans Being Prepared.  
SCHOOL Cost, \$30,000  
BELLINGHAM, Wash.  
One-story grade school, 10 or 12 rooms  
Owner—City of Bellingham.  
Architect—T. E. Doan, Bellingham.

Contract Awarded.  
SCHOOL Cost, \$62,168  
IMPERIAL, Imperial Co., Cal.  
Fireproof grade school.

Owner—Imperial School District.  
Architect—Don W. Wells, El Centro.  
Contractor—N. W. Beer, Calexico.  
H. H. Peterson of Calexico, was  
awarded the contract for heating at  
\$14,000; C. H. Julian of San Diego, the  
plumbing at \$8360; F. L. Orr of El  
Centro, the painting at \$2890, and T. R.  
Laerman of El Centro, the electric wiring  
at \$1043.50. Hammond Lumber Co.  
will furnish the lumber and other materials  
for the building.

Plans Being Figured. Bids Close Dec.  
1, 1919, 3 P. M.

SCHOOL Cost, \$125,000  
YUMA, Arizona.  
Two-story and basement brick school  
building.

Owner—School District No. 1 Yuma Co.  
Architect—Norman F. Marsh, 210  
Broadway Central Bldg., Los Angeles.

Plans and specifications may be obtained  
at the office of Architect Norman  
F. Marsh, from Fred R. Ingle, Clerk  
of the School Board, Board of  
Trade Bldg., Yuma; or from Architect  
V. O. Wallingford, Goodrich Bldg.,  
Phoenix, Ariz. A deposit of \$25 will  
be required on plans.

Contract Awarded.  
SCHOOLS Cost, \$163,453  
ANAHEIM, Orange Co., Cal.  
Two one-story brick grammar school  
buildings, 182X152 and 71X99.  
Owner—Anaheim School District.  
Architects—E. R. Jeffery and F. R.  
Schafer, 1106 Kerckhoff Bldg., Los  
Angeles.  
Contractor—A. L. Gribbling, 217 E. Avenue  
33, Los Angeles.

BERKELEY, Cal.—The following  
contracts have been awarded by the  
Berkeley Board of Education for the  
construction of the Thousand Oaks  
School, a one-story hollow tile structure.  
Plans were prepared by Architect  
W. C. Hays, 1st National Bank  
Bldg., San Francisco.

Lathing and Plastering to T. Glimm,  
4048 Brown Ave., Alameda, \$9,915.

Plumbing to Thos. Cotton, Berkeley,  
\$5,299.99.

Masonry to White & Gloor, Monadnock  
Bldg., San Francisco, \$1,600.

Roofing and Sheet Metal Work to A.  
K. Goodmundson, 565 16th St., Oakland,  
\$6,811.

Heating and Ventilating to Scott Co.,  
381 11th St., Oakland. (Kind of boiler  
not decided.)

Electrical Work to Capital Elec. Co.,  
2468 Shattuck Ave., Berkeley, \$3,205.

Shades and Linoleum to D. N. & E.  
Walter & Co., O'Farrell and Stockton  
Sts., San Francisco, \$2,303.

The following work will be done by  
days labor. All bids rejected as being  
too high:

Excavating and grading; Concrete  
and Cement Work; Carpentry; Glass &  
Glazing; Hardware; Blackboards;  
Structural and Ornamental Iron Work  
and Painting.

Plans Being Prepared.  
SCHOOL Cost, \$75,000  
KINGSBURG, Fresno Co., Cal.  
Brick grammar school building.  
Owner—Kingsburg Grammar School  
District.

Architect—Anton Johnson, Kingsburg.  
NOTE—Erection of building depends  
upon bond issue to be held November  
15th.

Plans Being Prepared.  
CONVENT Cost, \$40,000  
STOCKTON, San Joaquin Co., Cal. San  
Joaquin St. adj. St. Agnes' College.  
Two-story brick convent.  
Owner—St. Agnes Convent, Dominican  
Sisters.

Architect—Geo. E. McCrea, 1st National  
Bank Bldg., Oakland.

Sketches Being Prepared.  
SWIMMING POOL Cost, \$—  
CHICO, Butte Co., Cal. Bidwell Park.  
Permanent swimming pool.  
Owner—City of Chico, Frank S. Robinson,  
City Engineer.  
Architect—Edw. J. Symmes, 1700 Pearl  
St., Alameda.

Plans Being Figured. Bids Close Nov.  
10, 1919, 4 P. M.

SCHOOL Cost, \$—  
IVANHOE, Tulare Co., Cal. Ivanhoe  
School District.  
Tile and plaster school.

Owner—Ivanhoe School District.  
Architect—M. P. Renfro, Porterville.  
Plans may be obtained from M. P.  
Renfro, architect, at Porterville, or  
Jas. B. Young, Clerk, Certified check  
for 5% required.

Plans Being Prepared  
ADDITIONS Cost, \$—  
MODESTO, Stanislaus Co., Cal. Twelfth  
and "I" Streets.  
Addition to departmental school.  
Owner—City of Modesto.  
Architect—J. J. Donovan, Perry Bldg.,  
Oakland.

Ready For Figures in About Two  
Weeks.

SCHOOL Cost, \$40,000  
SAN ANSELMO, Marin Co., Cal.  
One-story and basement brick elementary  
school (10 rooms and an auditorium).  
Owner—San Anselmo School District.  
Architect—J. W. Dolliver, Royal Insurance  
Bldg., San Francisco.  
Bonds have been voted.

Contract Awarded.  
SCHOOL Cost, \$43,000  
RIVERDALE, Oregon.  
One-story brick school (4 classrooms,  
auditorium, library, offices, etc.)  
Owner—Riverdale School District.  
Architect—A. E. Doyle, Worcester  
Bldg., Portland.  
Contractor—Thos. Muir, Henry Bldg.,  
Portland.

FRESNO, Fresno Co., Cal.—Bids will  
be received by J. R. Fontains, Secretary  
of the Fresno Board of Education,  
up to November 13th, 5 P. M., for furnishing  
and delivering to the City of  
Fresno 1,000 or more, pupils' pressed  
steel combination desks of all sizes for  
use in the Fresno High School.

## STORES AND OFFICES

Plans Being Prepared.  
ALTERATIONS Cost, \$4,000  
SAN FRANCISCO. Mission Street  
near 24th Street.  
Alterations to store (new fronts, etc.)  
Owner—China Toggery.  
Architects—O'Brien Bros., 240 Montgomery  
St., San Francisco.

Contract Awarded.  
ADDITION, ETC. Cost, \$75,000  
SACRAMENTO, Cal. Sixth and "J"  
Streets.

Three-story addition and extensive  
alterations to present department  
store.  
Owner—Chas. P. Nathan & Sons.  
Architect—None.  
Contractor—Siller Bros., 1614 13th St.,  
Sacramento.

Mr. W. G. Aiken of Los Angeles is  
the architect for the interior.

Plans Being Prepared.  
STORE Cost, \$15,000  
MARTINEZ, Contra Costa Co., Cal.  
Main Street, bet. Castro and Smith  
Streets.  
One-story fireproof store.  
Owner—G. Ventimiglia, Martinez, Cal.  
Architect—Not Given.

Days Work.  
STORE BUILDING Cost, \$20,000  
PETALUMA, Cal.  
One-story reinforced concrete store  
building.  
Owner—M. Vonsen.  
Architect—Ednaard Jones, Petaluma.

Contract Awarded.  
STORES & OFFICES Cost, \$—  
MODESTO, Stanislaus Co., Cal.  
Eleventh St., bet. "I" and "J"

Three-story brick and concrete store and offices.

Owner—Tilson Building, Modesto.  
Architect and Contractor—Geo. J. Ulrich, 119 Sycamore St., Modesto.

Plans Sent East For Approval.

BANK AND OFFICE BLDG.  
Cost, \$—

SAN FRANCISCO. Gore Corner Post and Market Streets.

25-story Class "A" bank and office building.

Owner—Crocker Estate.  
Architects—Willis Polk & Co., Hobart Bldg., San Francisco.

Plans have been sent East for the approval of the Eastern stockholders.

SAN JOSE, Santa Clara Co., Cal.—  
Leinrich Homberger and Ralph W. Allen, representing H. W. Dubiske & Company of Chicago, have been in San Jose conferring with bankers and business houses regarding the financial situation in this territory.

They state it is the intention of their company to erect a branch office building in San Jose to handle their business interests. The company is in the business of financing industries which have not capital to extend their operations.

Contract Awarded.

ALTERATIONS Cost, \$—  
SAN FRANCISCO. No. 49 Geary Street.

Alter store (new store fronts, fixtures, etc.).

Owner—Coghlan & Co.  
Architects—J. E. Krafka & Son, Phelan Bldg., San Francisco.

Architect—Daniel O'Neill, 273 Minna St., San Francisco.

Construction will not start until January.

Contract Awarded.

BRICK BUILDING Cost, \$10,000  
MODESTO, Stanislaus Co., Cal. 8th and "I" Streets.

One-story brick building, 50x80.

Owner—Stanislaus Investment Co., Modesto.

Architect—None.

Contractor—Tuolumne Lumber Co., 430 10th St., Modesto.

Plans Being Prepared. Contract Awarded.

STORE AND OFFICE BLDG.  
Cost, \$750,000.

LOS ANGELES, Cal. Spring St., bet. 6th and 7th Streets.

Thirteen-story Class "A" store and office building, 119x153.

Owner—Thos. B. Story.

Architects—Morgan, Walls & Moran, 1124 Van Nuys Bldg., Los Angeles.

Contractor—Weymouth, Crowell, 2026 W-9th St., Los Angeles.

Plans Being Prepared.

WHOLESALE BLDG. Cost, \$—  
EL CENTRO, Imperial Co., Cal.

Two-story and basement reinforced concrete wholesale building, 90x94.

Owner—Channel Commercial Co., Los Angeles.

Architect—E. L. Mayberry, 468 Pacific Electric Bldg., Los Angeles.

It will contain offices for the officials, rest rooms, salesmen's club rooms with shower baths, and warehouse space.

Contract Awarded.

AUTO SALES BLDG. Cost, \$130,000  
SEATTLE, Wash. Fourth Avenue and Columbia Street.

Class "A" auto sales building, 120x120.

Owner—Inner-Circle Properties Co.  
Architect—James Schack, Lippy Bldg., Seattle, Wash.

Contractor—Rounds-Clift Co., Walker Bldg., Seattle, Wash.

Contract Awarded.

ALTERATIONS Cost Plus 15%  
Estimated Cost, \$4,500.

SAN FRANCISCO. Oak and Van Ness Avenue.

General alterations and changes for auto accessory store.

Owner—The Firestone Tire Co.  
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Contractor—P. R. Ward, 180 Jessie St., San Francisco.

Work will consist of electric wiring, fixtures, plumbing, glazing, plastering, partitions, shelving, etc.

Contract Awarded.

STORE AND SHOP Cost, \$15,490  
SAN FRANCISCO. N Post Street 37-6 W Larkin Street.

One-story and basement Class "C" store and Shop.

Owner—E. Hohfeld.  
Architect—E. E. Foulkes, Crocker Bldg., San Francisco.

Contractor—Richard J. H. Forbes, Mo-nadnock Bldg., San Francisco.

Contract Awarded.

AUTO BUILDING Cost, \$80,000  
SEATTLE, Wash. NE 11th and East Union Avenue.

Three-story and basement mill and concrete auto building, 120x60.

Owner—J. A. Scherer.  
Architect—J. R. Nevins, Hoge Bldg., Seattle, Wash.

Contractor—Scherer & Carlson.

Plans Being Prepared.

OFFICE BLDG. Cost, \$—  
LONG BEACH, Los Angeles Co., Cal.

Four-story and basement Class "C" office and store building, 50x150 (5 stores and 75 offices).

Owner—Pickrell & Scott.  
Architect—Fred R. Dorn 1233 Marsh-Strong Bldg., Los Angeles.

Contracts Awarded and Plans Being Figured.

STORE BLDG. Cost, \$—  
SAN FRANCISCO. N Post Street 70 W Leavenworth Street.

One-story brick store building.

Owner—Paulina Schoenberg.  
Architect—M. I. Schwartz, Nevada Bk. Bldg., San Francisco.

Figures are being taken for glass, roofing, marble, plastering and painting. The following contracts have been awarded:

Brick Work to Harry Drake, 1333 Lincoln Way.

Iron Work to Schrader Iron Works, 1247 Harrison St.

Sheet Metal Work to Guilfoyle Cornice Works.

Electrical Work to San Francisco Electric Co., 261 1st St.

Plumbing to J. Gibbs, 1708 Geary St.

Artificial Stone to Geo. Goodman Artificial Stone Co., 35 Montgomery St.

Carpenter Work to Robinson & Gillespie, 1651 Sutter St.

Concrete Contract Awarded.

STORE & LOFTS Cost, \$—  
SAN FRANCISCO. California St. near Front Street.

Concrete work for two-story and basement fireproof store and loft building.

Owner—Walter Sullivan, 129 Sutter St., San Francisco.

Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

Contractor—Richard J. H. Forbes, Mo-nadnock Bldg., San Francisco.

Working Drawings Being Prepared.

AUTO SALESROOMS Cost, \$—  
SAN FRANCISCO. S Post Street 137-6 E Van Ness Avenue.

One-story and basement Class "C" auto salesrooms building, 120x27½.

Owner—Mary A. Huggles.  
Architect—August Headman, New Call Bldg., San Francisco.

Plans Being Prepared.

STORE BLDG. Cost, \$—  
SAN FRANCISCO. Mission St. near 18th Street.

One-story brick store building.

Owner—Chas. A. Rossier.  
Lessee—F. R. Butterfield, Auctioneer, 2235 Mission St., San Francisco.

Architects—Weeks & Day, Phelan Bldg., San Francisco.

Contract Awarded.

ALTERATIONS Cost, \$—  
SAN JOSE, Santa Clara Co., Cal.

Tearing out partitions, erecting steel, etc.

Owner—Reich & Lievre, 119 S-First St., San Jose.

Architect—Joseph Cahen, 333 Kearny St., San Francisco.

Contractor—Morrison Bros., Santa Clara, Cal.

Segregated Figures to be Taken in About Ten Days.

BANK AND OFFICES Cost, \$500,000  
SAN FRANCISCO. NW Eddy and Powell Streets.

Six-story Class "A" bank and offices.

Owner—Bank of Italy.  
Architects—Bliss & Faville, Balboa Bldg., San Francisco.

Figures will be taken from a selected list of contractors being prepared by Mr. Bacigalupi of the Bank.

The steel, grading and foundation contracts have been awarded.

Segregated Figures Being Taken.

GARAGE, ETC. Cost, \$20,000  
HAYWARD, Alameda Co., Cal. SE "A" and Main Streets.

Two-story reinforced concrete auto sales and garage building.

Owner—Mrs. Armstrong.  
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Superintendent—R. F. Bucknam, 329 Castro St., Hayward.

Contract Awarded.

OFFICES Cost, \$10,000  
MODESTO, Stanislaus Co., Cal. Eighth and "I" Streets.

One-story brick offices, 58x90 (Red and white pressed brick exterior.)

Owner—Stanislaus Improvement Co., Modesto.

Architect—Not Given.

Contractor—Tuolumne Lumber Co., 430 Tenth St., Modesto.

Completing Plans. Separate figures to be taken in About a Week.  
**STORE BLDG.** Cost, \$—  
 SAN FRANCISCO. Golden Gate Avenue near Larkin Street.  
 One-story Class "C" brick (2) store building, 82-6x137-6.  
 Owner—Withheld.  
 Architect—Matthew O'Brien, Foxcroft Bldg., San Francisco.

Plans Being Figured.  
**MARKET BUILDING** Cost, \$—  
 SAN FRANCISCO. Clement Street.  
 One-story frame market building.  
 Owner—Withheld.  
 Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Plans Being Prepared. To Take Segregated Bids.  
**OFFICE BLDG.** Cost, \$—  
 PORTLAND, Ore. NW Fourth and Stark Streets.  
 Four-story brick offices and stores, 50x100.

Owner—Lawyers Title & Trust Co.  
 Architect—Olaf Sunde, 1107 East Yamhill St., Portland.  
 It is planned to sub-let the brick and masonry work, carpentering, etc. The structure will be erected under the supervision of Mr. Sunde and bids will be received by Mr. Gordon, 87 Fourth Street.

Bids in and Under Advertisment.  
**GARAGE, ETC.** Cost, \$60,000  
 PORTLAND, Ore. SE Hawthorne and Grand Avenues.  
 Three-story reinforced concrete and mill garage and autosales room, 90 x95.

Owner—Francis Motor Car Co.  
 Architects—Richard Martin and F. T. Webber, Associate, Chamber of Commerce Bldg. Portland.

Plans Being Prepared.  
**AUTO SALES BLDGS.** Cost, \$—  
 SAN FRANCISCO. San Francisco and several other California Cities.  
 Class "A" auto sales buildings.  
 Owner—Cadillac Motor Car Co., Don Lee, Coast Manager, 1601 Van Ness Ave., San Francisco.  
 Architect—Not Given.

Further details will be announced by Mr. Lee shortly.

Plans Being Figured.  
**STORE BLDG.** Cost, \$30,000  
 SAN FRANCISCO. S Bush Street bet. Stockton and Powell Streets.  
 One-story reinforced concrete store building.  
 Owner—Withheld.  
 Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.

Low Bidders. Contracts to be Awarded Shortly.

**ALTERATIONS** Cost, \$—  
 SAN FRANCISCO. N Market Street near Stockton.  
 Alteration of stores for offices of Western Union.  
 Owner—Bankers Investment Co.  
 Architect—Frederick H. Meyer, Bankers' Invest. Bldg., San Francisco.  
**General Contract**—J. S. Malloch, 110 Jessie Street, \$10,585.

**Painting**—H. Wachter, Chronicle Bldg., \$1,386.

**Plumbing**—Frederick Snook Co., 596 Clay Street, \$2,197.

**Electric Work**—Decker Elec. Co., 149 New Montgomery St., \$2,298.  
**Heating**—Scott Co., 243 Minna Street, \$360.

## THEATRES

Bids Opened.  
**THEATRE** Cost, \$—  
 SAN FRANCISCO. No. 3350 Mission St., near 29th (Lyceum Theatre).  
 One-story Class "A" motion picture theatre.  
 Owner—Withheld.  
 Architects—Reid Bros., 105 Montgomery St., San Francisco.  
**Excavation and Concrete Work.**  
 G. B. Pasqualetti.....\$19,500  
 John Spargo.....24,400  
 American Concrete Co.....30,672  
**Carpentry Work.**  
 G. B. Pasqualetti.....\$ 9,250  
 Chas. Stockholm & Son.....9,977  
 Alfred H. Vogt.....13,366

## ENGINEERING

### BRIDGES, DAMS & HARBOR WORK

SAN FRANCISCO—Frank G. White, Chief Engineer of the State Board of Harbor Commissioners, Ferry Bldg., has submitted estimates as follows for harbor improvements and has petitioned the Board to allow him to proceed with the work.

Construction of Fender Line at Pier No. 17, estimated cost, \$3,500.  
 Installation of boiler in heating plant, Ferry Bldg. (foundation work), estimated cost, \$2,600.

NAPA, Napa Co., Cal.—The County Supervisors have awarded a contract to Frank Gaggero, Napa, at \$15,043.55 for the construction of three reinforced concrete culverts, one situated in American Canyon, near the Denlo ranch, one on West Lincoln avenue, near the Spencer property, and one on Central avenue, near the Rupert ranch. The only other bidder was Simon Lenz at \$1,736.85.

RED BLUFF, Tehama Co., Cal.—Engineers Weeks & Day, Phelan Bldg., San Francisco, submitted the only bid to the County Supervisors for furnishing plans and specifications for the construction of the Upper Deer Creek bridge and they were awarded the contract. The bid was three per cent of the sub of construction. H. G. Kuhn is County Clerk.

PRINEVILLE, Ore.—Bonds of \$150,000 have been sold by the Ochoco Irrigation District to finance the completion of a dam and spillway.

EUREKA, Humboldt Co., Cal.—Bids will be received by the County Supervisors, Fred M. Kay, County Clerk, up to December 9th, 2 P. M., for the construction of two steel bridges across the Mattole river, one at Thorn in Road District No. 2, and one at Honey Dew, in Road District No. 1.

COACHELLA, Riverside Co., Cal.—Until 2:30 P. M., November 10, bids will be received by Coachella Valley Storm Water District for constructing a wire

# Pacific PIPE

## SAVES YOU MONEY

New and re-noved screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

## PACIFIC PIPE CO.,

231 Howard St.

San Francisco

mesh dam, Pratt system, about one-half mile long in Whitewater river wash near Palm Springs Station, Riverside county. Estimated cost, \$10,000. Plans and specifications may be obtained from A. L. Sonderegger of Leeds and Barnard, Engineers, Central Bldg., Los Angeles, or Mrs. Edna M. Cardwell, clerk of the district at Coacchella. Certified check for \$500 required. Bids will be taken later by the district for 35,000 cu. yds. ditch work and concrete drops to cost about \$30,000.

CALISTOGA, Napa Co., Cal.—The Board of Trustees have awarded a contract to Harry Thorsen of St. Helena, for building two bridges as follows: Lincoln avenue bridge, \$6795; Berry street bridge, \$5483.

Other bidders were: C. H. Gilder, sleeve of Napa and John Rocca of Novato. The bids were for the cement work and the steel work separately.

OROVILLE, Butte Co., Cal.—Surveys for the proposed Feather River bridge on the Oroville lateral have been completed by the State Highway Department and plans will be rushed to completion in order to have construction started by the first of the year.

NAPA, Napa Co., Cal.—Bids will be received by Jas. Daly, County Clerk, up to November 13th, 10 A. M., for remodeling nine stone bridges on proposed concrete highway on that portion of the said highway from Napa to the Town of Rutherford.

RED BLUFF, Tehama Co., Cal.—Bids will be received by H. G. Kuhn, County Clerk, up to November 10th 10 A. M., for the construction of a reinforced concrete bridge across McCarty Creek, on the Paskenta road, in Supervisor District No. 4.

SANTA ROSA, Sonoma Co., Cal.—Bids have been ordered received by the

County Supervisors up to November 12th for the construction of a reinforced concrete bridge across Placer creek, on the Santa Rosa-Graton road.

**STOCKTON, San Joaquin Co., Cal.**—Plans for completing the levee and drainage system of Reclamation District No. 341, have been filed with the State Reclamation Board at Sacramento for approval.

The estimated cost of the work and maintenance for five years is placed by Engineer George S. Nickerson at \$378,573.94. This includes the raising of the levees to conform to the standards of the Sacramento Valley Flood Control project, also bulkhead protection, to prevent rivers that form the outside boundaries "washing" the land.

**REDONDO BEACH, Los Angeles Co., Cal.**—Leeds & Barnard, consulting engineers, Central Bldg., Los Angeles, have been retained by Council to prepare plans for repairing the municipal pier damaged by the storm of March, 1918. Cost, \$25,000.

## IRRIGATION WORK

**YUMA, Ariz.**—Carl Schader of Santa Monica, Cal., is negotiating for the development of 293,000 acres in Mexico, on the international border adjoining the Yuma reclamation project, on which he has an option. Mr. Schader plans to form a syndicate to take over the land. Among other projects contemplated are the building of a railroad to Yuma, establishment of two townships and irrigation of the big tract by diverting water from the Colorado river.

A favorable report on the Byron-Bethany Irrigation District in Contra Costa County, has been made by the State Department of Engineering, according to information received by County Clerk J. H. Wells.

The district will be located in the vicinity of Byron, and takes in a large acreage.

**SONOMA, Sonoma Co., Cal.**—The Town Trustees are planning a bond issue to secure funds for the improvement of streets.

It is the plan of the city to have all its streets paved according to the specifications for the S'te highway system.

The plan provides for paved streets connecting the highways on each side of the city, and all the streets in the immediate proximity to the Plaza will be paved.

## MACHINERY

**VALLEJO, Solano Co., Cal.**—The following bids were received by the City Council for furnishing and delivering a motor truck to the City of Vallejo:

Hirsch Motor Co., San Francisco, a two-ton traffic truck, \$1690; Benicia Garage, a Garford truck, \$2,740.99; Freudenburg & Guhl, White truck, \$3,611.50; Acme Garage, one bid for a Ford one-ton truck, \$636.16, and for a Dodge Brothers two-ton truck for \$1800.

J. M. Sauer, Kissel truck, \$2300. All bids were taken under advisement.

**BAKERSFIELD, Kern Co., Cal.**—Until 7:30 p. m., November 13, bids will be received by the Board of Education, E. R. Long, Secretary, for power machinery for the manual training department in accordance with specifications, which may be obtained from the clerk, room 3, city hall. Certified check for 10% required.

**SANTA ROSA, Sonoma Co., Cal.**—Bids will be received by the County Supervisors, W. W. Felt, Jr., County Clerk, up to November 13th, 1:30 P. M., for the purchase from Sonoma County of 21 road pumps, now at the Corporation Yard, in Ellis street, Santa Rosa.

**SACRAMENTO, Cal.**—At \$1,300 the City Commissioners, M. J. Desmond, City Clerk, have awarded a contract to the Spears-Wells Road Machinery Co., 110 Jessie St., San Francisco, for furnishing and delivering to the City of Sacramento one road planer for use on the city streets.

**OAKLAND, Cal.**—Bids will be received by County Clerk, Geo. E. Gross, up to November 17th, 10 A. M., for furnishing and installing a pumping unit for the water supply of the Arroyo Sanatorium, near Livermore.

**BAKERSFIELD, Kern Co., Cal.**—Until 10 A. M., November 8, new bids will be received by Supervisors of Kern County, for purchase of machinery at rock crushing plant at Keene.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

**FRESNO, Fresno Co., Cal.**—The contract for the construction of sanitary sewers in Municipal Improvement District No. 1 has been awarded by the City Council, Chas. Dillon, City Clerk, to C. H. Gould, 1922 27th St., Sacramento, at \$118,245.32.

The only other bid was that of the Federal Construction Co., Fresno, at \$125,694.82.

**OAKLAND, Cal.**—The following bids were received by the County Supervisors for the construction of a reinforced concrete culvert on the Moore Canyon road in the Eden Road District:

M. E. Fernandes.....	\$10,945
Bresse & Burgund.....	7,997
Edw. H. Martin.....	7,978
C. A. Bruce.....	7,700
Arthur J. Grier.....	7,670

The bids were taken under advisement.

**RICHMOND, Contra Costa Co., Cal.**—The City Council, A. C. Faris, City Clerk, has passed resolution of intention No. 361 providing for the establishment of grades on Elvarado street, Nevada and Arizona avenues.

**SAN BERNARDINO, Cal.**—Until 7:30 P. M., November 10, bids will be received by City Clerk J. H. Osborn for the following street work:

Base Line street between Arrowhead avenue and B street, strip 24 ft. wide to be graded and oiled; a strip 12.75 ft. wide on each side to be paved with oil macadam base and rock screenings surface; concrete gutters and corrugated iron culverts.

Hope St. between Baptist alley and Second St., to be paved with 4-in. concrete base with oil and rock screenings surface.

Second St., between I St. and Carter Ave., to be paved with 4-in. concrete base and oil and rock screenings surface; corrugated iron culvert.

Second St., between Carter Ave. and Kendall Ave., to be paved with 2½-in. asphaltic concrete base and 1½-in. Warrentite surface; six corrugated iron culverts. All work will be done under improvement act of 1911. W. D. Brown, City Engineer.

**PITTSBURG, Contra Costa Co., Cal.**—Bids will be received by the City Trustees, James Fitzgerald, City Clerk, for the improvement of Tenth street from the east to the west city limits by grading, paving with a 6-inch concrete pavement, the same to be covered with a heavy coat of oil and rock screenings and the installation of 6 inch by 24 inch half circle culverts; that from the east line of West street to the west city limits the concrete pavement shall be only 7' 8 ft. in width.

**BREA, Orange Co., Cal.**—Olmsted & Gillette, Hollingsworth Bldg., Los Angeles, are preparing plans and estimates for improving the present water system which will be purchased by the city. A bond election will be called in 30 to 60 days.

**MODESTO, Stanislaus Co., Cal.**—Bids will be received by the City Council, W. O. Thompson, City Clerk, up to November 12th, 5 P. M., for the improvement of Modesto avenue from the east line of McHenry avenue by grading, and paving with a 4-in. Portland cement concrete base and a 1½-in. bitulithic wearing surface; construction of concrete curbs and gutters.

Bids will be opened on the same date for the improvement of "H" street from the center line of Franklin street, northeast to Second street by grading; "H" street from the center line of Franklin street northeast to Yosemite avenue and the east line of Jefferson street by paving with a strip 20 feet wide of 4-inch Portland cement concrete base and a 1½-in. bitulithic wearing surface; "H" street from the east line of Yosemite avenue and the east line of Jefferson street northeast to Second street by paving with a 4-in. Portland cement concrete base and a 1½-in. bitulithic wearing surface; "H" street from the center line of Franklin street northeast to Second street by the construction of cement concrete curbs and gutters. Further information may be had from City Clerk, W. O. Thompson.

**SANTA CRUZ, Santa Cruz Co., Cal.**—W. E. Miller, Santa Cruz, is securing signatures for the paving of Main street, Beach Hill, for street work to be done under private contract.

Greenfield & Costello are also signing up property owners of Second street.

**RITZVILLE, Wash.**—The Adams County Commissioners have awarded a contract to Mitchell Bros., of Spokane, Wash., for the construction of 19½ miles of permanent highway at \$168,000. The work will begin at the western terminus of the hard-surfaced

road, leading west from Ritzville, and continue west to the Grant County line.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Abbey street from the northeast line of Allendale to the southwest line of Penniman avenue by grading; constructing concrete curbs and gutters; cement sidewalks and paving with an oil macadam pavement.

**ALAMEDA, Alameda Co., Cal.**—The City Council, R. E. Bosshard, City Clerk, has passed a resolution of intention (No. 252) providing for the improvement of Santa Clara avenue between the west line of Webster street and the east line of Third street, and Webster street between the north line of Lincoln avenue and the south line of Atlantic avenue; and Park street between the south line of Encinal avenue and the north line of Bay Island avenue; and Central avenue from the east line of Fourth street to the west line of Fernside Boulevard, all by the construction of concrete curbing where not already in place.

**LOS BANOS, Merced Co., Cal.**—Engineer H. J. Brunner, Sharon Bldg., San Francisco, has been retained to prepare plans for a new water system for the City of Los Banos for which a bond election for \$96,000 will be called. New mains, pumping plant, etc., will be installed.

**PORTLAND, Ore.**—The Municipal Paving Plant of the City of Portland entered the lowest bid for the improvement of East Sixteenth street from Marion to Spokane at \$16,291.85. The only other bidder was the Warren Construction Co. at \$18,747.14.

**SANTA ANA, Orange Co., Cal.**—Until 11 A. M., November 18, bids will be received by Supervisors of Orange County for paving Olinda road in Third road district with 4-in. concrete pavement 18 ft. wide, involving 1700 cu. yds. excavation, 500 cu. yds. borrow excavation, 4535 lin. ft. shaping roadbed, 1006.3 cu. yds. Class A concrete paving, 36.7 cubic yards Class A concrete for culverts, and 2960 lbs. reinforcing steel; county to furnish sand, rock and cement f. o. b. cars. For further information address J. L. McBride, County Surveyor. J. M. Backs, Clerk.

**SACRAMENTO, Cal.**—Bids will be received by the County Supervisors, Fred M. Kay, County Clerk, up to November 11th, 2 P. M., for the construction of 8.9 miles of wagon road in Road District No. 3.

**EUREKA, Humboldt Co., Cal.**—Bids will be received by the County Supervisors, Fred M. Kay, County Clerk, up to November 11th, 2 P. M., for the construction of 8.9 miles of wagon road in Road District No. 3.

**CARSON CITY, Nevada.**—The following contracts have been awarded by the Nevada State Highway Commission, C. C. Cottrell, Chief Engineer: Six miles of road (graveled) 15 feet wide, south of Yerrington, awarded

to H. Francisco, Laws, Cal., at \$44,717. 28-100 mile of road between Lamo City at Keystone in White Pine County, awarded to The Nevada Northern Railroad Co. at \$754,775.

Fallon sink project, road 1.3 miles east of Salt Wells to Sand Springs, 10.5 miles, to W. J. Schmidt, Berkeley, at \$67,350.

**NOGALES, Ariz.**—Littlejohn, Singleton & Murphy, Nogales, Ariz., submitted the only bid at (a) \$47,973.35, contractor to furnish explosives, \$44,343.00 government to furnish explosives, for constructing Sec. 1 of the Oracle-Apache road in Coronado National Forest, Pima County, Ariz. This firm is now constructing a road adjacent to this project. The engineer's estimate is (b) \$49,579.14, government to furnish explosives, including 10% for contingencies. E. S. Wheeler, senior highway engineer, has recommended that the contract be let to Littlejohn, Singleton & Murphy.

**LOS ANGELES, Cal.**—Until 2 p. m. November 24, bids will be received by the Supervisors of the Los Angeles County Flood Control District for the construction of three steel and timber bridges over the silt diversion channel at Long Beach, in accordance with plans and specifications, which may be obtained from J. W. Reagan, Chief Engineer of the Flood Control District. Certified check for 10% required. A. M. McPherron, Clerk. The official advertisements will be published in our next issue under Proposals Wanted.

The bridges will each be 572 feet in length. One on Anaheim street will be a through girder type 50 feet wide with 14 spans of 40 feet 10 inches each; estimated cost \$60,000. One at Seventh street will be a combination through girder and deck type bridge 62 feet wide, with 50-foot roadway and space for Pacific Electric Railway tracks, and will consist of 14 spans of 40 feet 10 inches each. Estimated cost, \$125,000. One at Ocean Boulevard, will be a through girder type, 50 feet wide including two sidewalks each 6 feet wide and section 15 feet 6 inches wide for railroad tracks. It will have 11 spans of 51 ft. 10 in. each; estimated cost, \$145,000. The bridges will have timber floors and all piers and abutments will be constructed of creosoted piles with creosoted sheathing.

**RIVERSIDE, Riverside Co., Cal.**—R. T. Shea & Co., of Riverside, submitted the only bid and was awarded the contract at \$30,940 for paving a portion of Corona-Elsinore road involving 258,318 sq. ft. 5-in. oil macadam paving and 14,930 lin. ft. shaping roadbed.

**BRIDGEPORT, Mono Co., Cal.**—With more than one million dollars invested in ranch properties in the Inyoeken valley, lying in Mono and Inyo counties, the farmers of that section are taking steps to secure a more adequate supply of irrigation water. They are now seeking the consent and aid of the government for the utilization of a large amount of water in the vicinity of Mono Lake, now running to waste.

A levy of ten cents per acre is contemplated to raise funds to carry out the project, which is to be based on the gravity principle.

**RED BLUFF, Tehama Co., Cal.**—L. D. Fox has been awarded a contract by the County Supervisors, H. G. Kuhn, County Clerk, for graveling roads in District No. 4.

**NEWPORT BEACH, Orange Co., Cal.**—C. D. Soteras, Black Bldg., Los Angeles, was awarded the contract at \$225,993.25 for constructing a cement pipe sewer system and sewage disposal plant for Newport Beach. Paul E. Kressley is City Engineer, and estimated the cost at \$214,582.21.

**LOS ANGELES, Cal.**—Until 2 P. M., November 10, bids will be received by the Supervisors for paving with 5-in. concrete 20 ft. wide, 1.01 miles of Cypress avenue, between Citrus and Grand avenues, near Covina, known as Road Improvement District No. 142. The work is to be done under the 1907 Act. Quantities: 2320 cu. yds. excavation, 5317 ft. shaping, 11,820 sq. yds. concrete pavement; materials to be furnished by contractor; 850 blbs. cement, 1973 tons gravel, 1109 tons sand; county furnishes an additional 1630 blbs. cement. Estimated cost to contractor, \$10,475; time of completion four months. Estimated total cost per mile, \$15,619.70, including engineering expense.

**DINUBA, Tulare Co., Cal.**—The contract for extensive paving in three different parts of Dinuba has been let by the City Trustees to the Federal Construction Company, Calif Bldg., San Francisco.

**BENICIA, Solano Co., Cal.**—The City Council J. C. McAvary, City Clerk, has passed resolution of intention No. 3 for the construction of a sewer system known as the East Side Sewer District No. 2, for a salt glazed vitrified sewer pipe; 4 manholes; 4 inspection holes; 64 Y branches, with pump, motor, suction pipe, valve and strainer, float switch, pump house and pit.

**LOS ANGELES, Los Angeles Co., Cal.**—The City Council has instructed the public works committee to take up seriously the question of constructing the W. Jefferson street storm drain, estimated to cost \$2,000,000 and the Arroyo de la Sacatella storm drain, estimated to cost \$2,000,000. Construction of the latter has been complicated by the building of several storm drains within the assessment district and property owners paying for these will not sign petitions unless assured of only nominal assessments for the big project. The city engineer says the city has already spent \$570,000 on these two projects and is preparing plans for five more storm drains.

**SACRAMENTO, Cal.**—The following bid was received October 20th by the California Highway Commission for highway improvement in Tehama County as follows:

Tehama County, between two miles north of Vina and Los Molines (II-Teh 3-A), about 4.5 miles in length to be paved with Portland cement concrete. Lynn S. Atkinson, Sacramento, \$53,489.50.

Engineer's Estimate, \$47,513.40.

No bids were received for the following work:

Del Norte County between Cushion Creek and Crescent City (I.-D.N.-I-B), about 4 miles in length to be graded.

MERCED, Merced Co., Cal.—The County Supervisors are considering the construction of a bridge over the San Joaquin River near a direct line between Merced and Los Banos.

It is probable that a report will be submitted by the County Surveyor at the next session of the County Board.

MERCED, Merced Co., Cal.—The City Trustees, J. D. Wood, City Clerk, has awarded contracts to A. Teichert & Son, Ochsenr Bldg., Sacramento, for the improvement of the alleys in Blocks 143 and 165 by grading, constructing concrete curbs and paving with a four inch cement concrete base.

Also for the improvement of the alley in Block 187 by grading; constructing concrete curbs and paving with a four inch cement concrete base.

OAKLAND, Cal.—The City Council has directed the City Engineer to prepare plans and specifications for the construction of sidewalks in Short street from Brockdale to Allendale avenues. L. W. Cummings, City Clerk.

HARRINGTON, Wash.—At the last meeting of the Lincoln County Commissioners held at Davenport the contract for 11 miles of the Donahue road south of Harrington was let to C. M. Payne of Spokane for \$86,348.64.

SANTA ROSA, Sonoma Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for a new concrete septic tank at the sewer farm. The tank will be longer and deeper than the present ones.

UKIAH, Mendocino Co., Cal.—Gordon Baechtel of Willits, submitted the only bid to the County Supervisors for the reconstruction of the road from Des Rios to Burger Creek and this was rejected. The bid was \$50,000.

The work was ordered done under the supervision of the County Engineer. Hale Prather is County Clerk.

HANFORD, Kings Co., Cal.—Petitions are being circulated for presentation to the City Trustees urging the improvement of Redington and Porter streets. Frank E. Kilpatrick is City Attorney.

RED BLUFF, Tehama Co., Cal.—Bids will be received by H. G. Kuhn, County Clerk, up to November 10th, 19 A. M., for grading and macadamizing that portion of the Mantion road from the Dale place to Mantion.

VALLEJO, Solano Co., Cal.—County Engineer F. A. Steiger is completing a report for presentation to the County Supervisors on the improvement of portions of the Benicia road. The road is to be widened and repaired in several places.

FRESNO, Fresno Co., Cal.—County Highway Engineer Chris. Jensen is completing plans for the paving of Del Rey avenue and connecting roads from Del Rey through Farlier and into Reedley, a distance of about 12 miles.

The work will be let under two contracts.

It is probable that the Supervisors will specify asphalt concrete or black base on this portion.

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors have instructed the County Engineer to prepare estimates of costs for a new county road on the east side of the Russian River between Geyserville and Cloverdale.

SANTA ROSA, Sonoma Co., Cal.—Bids will be received by the County Supervisors, Lloyd Aldrich, County Highway Engineer, up to November 12th, for the construction of the county highway between Petaluma and Sonoma, a 5 mile stretch, for the Petaluma-Valley Ford section and the Healdsburg-Napa County Line unit in Knights Valley.

Plans and further information may be had from the County Engineer at Santa Rosa.

OAKLAND, Cal.—The City Council, I. W. Cummings, City Clerk, has passed a resolution of intention (No. 19223 N.S.) providing for the improvement of Alice street between 2nd and 7th streets by grading; constructing concrete curbs and brick gutters and paving with asphalt; also the construction of a vitrified pipe sewer, 21 inches internal diameter; concrete sewer, 30 inches internal diameter; brick manholes with cast iron curbs and covers and vitrified pipe conduits, 10 inches in diameter.

SAN JOSE, Santa Clara Co., Cal.—County Clerk Henry A. Pfister has been instructed by the County Supervisors to advertise for bids to be opened November 17th, 11 A. M., for the construction of corrugated iron culverts on Villa Vista avenue; also for pipe drains in Canoas channel along the Monterey road south of San Jose, all in Supervisor District No. 2. Plans may be had from the County Clerk.

SAN JOSE, Santa Clara Co., Cal.—The County Engineer has been instructed by the Supervisors to prepare plans for a pumping plant and well at the county almshouse. Henry A. Pfister is County Clerk.

SANTA BARBARA, Santa Barbara Co., Cal.—The City Council has adopted a resolution of intention to pave Arrellaga St. between Bath and State Sts. with 4-in. concrete base and 1½-in. Warrenite surface; also to pave Santa Barbara St. between Michel-torena St. and Pedregosa St. and Arrellaga St. between Santa Barbara and Garden Sts., with 4-in. concrete base and 1½-in. Warrenite surface.

## RAILROADS

SAN FRANCISCO.—The Supervisors are considering the appropriation of \$17,500 with which to finance changes in the tracks and extensions of the Municipal Railway system at Geary and Stockton streets and Stockton and Market streets.

Plans for the work are now being completed by the City Engineer's office, 3rd Floor, City Hall.

SAN FRANCISCO.—The Board of Public Works has awarded a contract

to A. Meister & Sons, 403 9th St., Sacramento, for furnishing and delivering a sample car for use on the Municipal Railway on a bid of labor and material plus 45%.

A request for \$12,500 has been made of the Supervisors to cover cost of the contract.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy has been requested by the Supervisors to submit a report on the extension of the municipal railway in Taraval street from Thirty-third avenue to the ocean.

STOCKTON, San Joaquin Co., Cal.—It is reported in this city that Charles F. Ruggles, the millionaire who has vast holdings in Calaveras county, is to build a broad gauge railroad from Stockton to his mills at Standard City. The first link in the line is said to be the Stockton Terminal and Eastern, now constructed as far as Belota. A body of surveyors is said to be at work between that point and Mokelumne Hill via Valley Springs.

SAN FRANCISCO.—Engineer Pierre Zucco, Whittell Bldg., San Francisco, has completed plans and figures will be taken next week for putting a reinforced concrete lining in the Oakland Antioch & Eastern Railway Company's tunnel through the Berkeley hills.

## FIRE EQUIPMENT.

PACIFIC GROVE, Monterey Co., Cal.—The City Trustees will shortly issue a call for bids for a fire truck. Trustee C. S. Bennett, Chairman of the Fire and Water Committee, intended to purchase such equipment from the Auto-Car Company, but after consideration it was ordered that the City Clerk call for bids for various makes of machines.

## BUILDING IN NEW ZEALAND.

AUCKLAND, N. Z.—Buildings are being constructed in New Zealand not according to tender contract but on a percentage basis, reports the vice consul at Auckland; that is, the contractor agrees to put up the building for whatever the material and labor cost him plus a certain percentage, which is his commission. Builders do not care to tender at contract prices while labor and wages are so unsteady and cost of materials, especially imported builders' supplies, fluctuate so greatly. Construction work continues to boom throughout New Zealand, although it is somewhat handicapped by the present coal shortage, as the government has prohibited the carrying of building materials on the railways during the coal crisis.

## WAREHOUSE SPACE WANTED.

Warehouse space wanted in a three-story building about 200x200 feet with spur track facilities.

Warehouse space wanted in building with about ten thousand square feet floor area either one or two stories with spur track facilities.

Submit propositions to Industrial Department Chamber of Commerce, Merchants' Exchange Bldg.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2347	Traina	Ahl	3000
2348	Lassalle	Becaaas	1900
2349	Bindel	Sandberg	3000
2350	Hudson Fur	Maisler	1500
2351	Castagne	Metter	4000
2352	Urban Rity	Incancan	1000
2353	Italian	Reinando	600
2354	Brown	Coburn	4000
2355	Recorder Pub Co	Owner	9800
2356	Jackson	Taylor	5000
2357	Nelson	Nelson	3000
2358	Raymond	Swanson	1400
2359	Lennons	Kragen	1000
2360	Cheeswright	Thunberg	1250
2361	Flood	Ruegg	450
2362	Valente	Valente	400
2363	Phelan	Phelan	400
2364	Gump	Scott	4180
2365	Doyle	Dice	3500
2366	Sheldon	Jensen	1750
2367	Eickorst	Walker	1250
2368	Morrisey	Morrisey	600
2369	Dakin	Welsh	9000
2370	Peterson	Peterson	25000
2371	Traitt	Wagner	4000
2372	Schoenberg	Owner	10000
2373	Hiadik	Hiadik	35000
2374	Art Tailoring	Schulz	4000
2375	Savory	Martio	14000
2376	Same	Petersen	1885
2377	Same	Lacey	6995
2378	Levin	G G Iron Wks	12500
2379	Schaffer	Munster	11000
2380	Hewitt	Grieb	4000
2381	Jacob	Western	1900
2382	Curtaz	Helbing	4000
2383	McCants	Diestel	1000
2384	Murray	Munster	1121
2385	Arnold	Gulfooy	25900
2386	Simmons	Peake	60000
2387	Bass	Foundation	425
2388	Tozer	Western Hdq	6000
2389	Globe Grain	Larsen	6000
2390	Houghtlen	Ruegg	6000
2391	Lachman	Lachman	25000
2392	Perigo	Kincanon	3000
2393	Komethoef	S F Overy	2500
2394	Widner	Persson	600
2395	Hind	Frichette	400
2396	Mr. Zion	Barrett	600
2397	Bauer	Bauer	6000
2398	Anderson	Anderson	8000
2399	Georgian	Owner	4000
2400	Halket	Hatch	1500
2401	Mary's Help	Kunst	2940
2402	McCarthy	Moller	1325
2403	Nellan	Pasqualetti	38615
2404	Hansen	Hansen	12000
2405	Stevens	Stevens	7000
2406	Cohn	Cohn	1000
2407	McCarthy	Helbing	1750
2408	McAlister	Hansen	950
2409	Thompson	Smith	425
2410	Hart	Stiefel	595
2411	Meyer	Meyer	8600

(2347) NO. 333 CALIFORNIA. General alterations for candy store.  
Owner—A. Traina & Co., 24 Leidesdorff, San Francisco.  
Architect—Alfred Kuhn, 832 Market, San Francisco.  
Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco.

COST, \$3000

(2348) NO. 19 CAYUGA. Raise, move and add two rooms to dwelling.  
Owner—J. Lassalle, Premises.  
Architect—Fabre & Bearwald, 625 Market, San Francisco.  
Contractor—B. Becaaas, 915 Pacific Ave., San Francisco.

COST, \$1900

(2349) NO. 80 ELLIS. Alter for Cafeteria.  
Owner—Spalding, Lacey & Bindel, 80 Ellis, San Francisco.  
Architect—None.  
Contractor—G. Sandberg, 1141 Lake St., San Francisco.

COST, \$3990

(2350) NO. 222 POWELL. Alter store front and move stairs.  
Owner—Hudson Bay Fur Co., Premises.  
Architect—None.  
Contractor—Ben Maisler, 777 Ellis, San Francisco.

COST, \$1500

(2351) N SEVENTEENTH 30 E Capp. Two-story frame workshop.  
Owner—Castagne & Duncasse, 3238 17th, San Francisco.  
Architect—None.  
Contractor—Louis Metter, 1544 Hudson Ave., San Francisco.

COST, \$4000

(2352) W VICTORIA 129 S Ocean Ave. Two-story and basement frame dwelling.  
Owner—Urban Realty & Improvement Co., 85 Cerritos Ave., S. F.  
Architect—C. E. Gottschalk, 958 Phelan Bldg., San Francisco.  
Contractor—W. C. Duncan & Co., 205 Sharon Bldg., San Francisco.

COST, \$9000

(2353) NW FELL AND OCTAVIA. Brick foundation, etc., for auto repair shop.  
Owner—Italian American Auto Repair shop, 1624 Stockton, S. F.  
Architect—None.  
Contractor—A. Reinando Co., 71 Bernard, San Francisco.

COST, \$600

(2354) S PINE 137-6 E Jones. Concrete bulkhead.  
Owner—David Brown, 783 Mills Bldg., San Francisco.  
Engineer—H. J. Brunnier, Sharon Bldg San Francisco.  
Contractor—Ira W. Coburn, 180 Jessie, San Francisco.

COST, \$4000

(2355) S STEVENSON bet. 7th and 8th. Two-story brick book bindery.  
Owner—Recorder Printing & Publishing Co., 769 Stevenson, S. F.  
Architect—None.  
Day's work.

COST, \$9800

(2356) NW WILDWOOD AND EASTWOOD. One-story and basement frame dwelling.  
Owner—Edith E. Jackson, 524 16th Ave., San Francisco.  
Architect—Milton W. Morrison, 716 41st Ave., San Francisco.  
Contractor—Taylor & Jackson, 409 Call Bldg., San Francisco.

COST, \$5000

(2357) E THIRTIETH AVE 234 S Lincoln Way. One and one-half-story frame dwelling.  
Owner—Fernando Nelson & Sons, West Portal Park, San Francisco.  
Architect—None.  
Day's work.

COST, \$3000

(2358) NO. 4350 MISSION. Alter office.  
Owner—Dr. Axel Raymond, Premises.  
Architect—Chas. F. Strothoff, 2276 15th, San Francisco.  
Contractor—Ernest Swanson, 311 Lowell St., San Francisco.

COST, \$1400

(2359) NO. 782 MARKET. Alter show windows.  
Owner—Lennon's Glove House, Prem.  
Architect—None.  
Contractor—Louis Kragen, 743 Gough, San Francisco.

COST, \$1000

(2360) NO. 257 FOURTEENTH AVE. (rear). One-story frame dwelling.  
Owner—R. Cheeswright, 255 14th Av., San Francisco.  
Architect—None.  
Contractor—Oscar W. Thunberg, 678 9th Ave., San Francisco.

COST, \$1995

(2361) NO. 2222 BROADWAY. Erect frame to hold canvas for 'one day only'.  
Owner—Jas. Flood, Premises.  
Architect—None.  
Contractor—Ruegg Bros., 719 Pacific Bldg., San Francisco.

COST, \$450

(2362) NO. 2789 CLAY. Alter for two flats.  
Owner—Sadie Valente, 1816 Broderick, San Francisco.  
Architect—None.  
Contractor—A. Valente, 1816 Broderick, San Francisco.

COST, \$400

(2363) NO. 1832 NINETEENTH AVE. Plaster and paint dwelling.  
Owner—Patrick J. Phelan, 321 Duncan, San Francisco.  
Architect—None.  
Day's work.

COST, \$400

(2364) NO. 236-240 POST. All work for heating and ventilating apparatus for store building.  
Owner—S. & G. Gump Co., Premises.  
Architect—Sam L. Hyman, Crocker Bldg., San Francisco.  
Engineers—Leland & Haley, 58 Sutter, San Francisco.  
Contractor—Scott Co., 243 Minna St., San Francisco.

Filed Oct. 28, '19. Dated Oct. 22, '19.  
Galvanized iron duct work done ..... \$1486.33  
Completed and accepted ..... 1486.33  
Usual 35 days ..... 1487.34  
TOTAL COST, \$4460.00  
Bond, none. Limit, 20 days. Forfeit, none. Plans and specifications filed.



(2365) N NORIEGA 82-6 W 18th Ave.  
One and one-half-story and basement  
frame dwelling.  
Owner—Martha H. Doyle, 1711 Clay St.,  
San Francisco.  
Architect—J. M. Dice, 771 11th, Oakland  
Contractor—E. A. Dice, 771 11th St.,  
Oakland.

COST, \$3500

(2366) SW FORD AND SANCHEZ.  
Raise and underpin and alter for 2  
garages.  
Owner—F. F. Sheldon, 2008 Mission St.,  
San Francisco.  
Architect—None.  
Contractor—Jas. Jensen, 550 Valencia  
St., San Francisco.

COST, \$1750

(2367) NW GREENWICH & PIERCE.  
Add to front; concrete. Premises.  
Owner—H. G. Eickorst, Premises.  
Architect—None.  
Contractor—G. H. Walker, 2174 Union,  
San Francisco.

COST, \$450

(2368) NO. 3046 SAN JOSE AVE.  
Move and alter for flats.  
Owner—J. H. Morrissey, Premises.  
Architect—None.  
Day's work.

COST, \$600

(2369) N CARL 154 E Cole. Two-story  
and basement frame (2) flats.  
Owner—Francis Dakin, 76 Carl, S. F.  
Architect—None.  
Contractor—Jas. Welsh, 2040 Balboa,  
San Francisco.

COST, \$9000

(2370) NW BRODERICK & GOLDEN  
Gate Ave. Three-story frame (12)  
apartments.  
Owner—Ed. T. Peterson et al, 8th and  
Hooper, San Francisco.  
Architect—None.  
Contractor—James Welsh, 2040 Balboa,  
San Francisco.

COST, \$35,000

(2371) N HOWARD 68-9 W Spear.  
Two-story concrete warehouse.  
Owner—Orville C. Pratt, 1818 California  
St., San Francisco.  
Architect—Bakewell & Brown, 251  
Kearny St., San Francisco.  
Contractor—George R. Wagner, 251  
Kearny, San Francisco.

COST, \$40,000

(2372) N POST 70 W Leavenworth.  
One-story brick stores.  
Owner—Pauline Schoenberg, 2010  
Pacific Ave., San Francisco.  
Architect—Mel I. Schwartz, Nevada Bk  
Bldg., San Francisco.  
Day's work and Sub-Contracts.

COST, \$10,000

(2373) S PINE 60 W Stockton. Three  
story and basement frame (23) apart-  
ments.  
Owner—Anna Hladik, 825 Monadnock  
Bldg., San Francisco.  
Architect—J. C. Hladik, Monadnock  
Bldg., San Francisco.  
Day's work and Sub-Contracts.

COST, \$35,000

(2374) NO. 16 MASON. New front,  
shelves, etc., for store.  
Owner—Art Tailoring Co., 39 5th, S. F.  
Architect—N. R. Coulter, 46 Kearny,  
San Francisco.  
Contractor—Schultz Constr. Co., 46

Kearny, San Francisco.

COST, \$1000

NOTE. Work under way.

(2375) S SUTTER 160-5 E Jones. Con-  
crete walls forms for walls, etc., for  
a five story and basement rein-  
forced concrete apartment building.  
Owner—John R. Savory, 1540 Clay St.,  
San Francisco.

Architect—Rousseau & Rousseau, 110  
Sutter St., San Francisco.Contractor—C. Sartorio, 110 Jessie St.,  
San Francisco.Filed Oct. 29, '19. Dated Oct. 2, '19.  
When pour is completed on each  
story .....

75%

TOTAL COST, \$14,000

Bond, Sureties, Forfeit, Limit, none.

Plans and specifications filed.

(2376) STEAM HEATING ON ABOVE.  
Contractor—C. Petersen Co., 730 Lar-  
kin, San Francisco.

Filed Oct. 29, '19. Dated Oct. 29, '19.  
On 10th of each month .....

75%

Usual 35 days .....

25%

TOTAL COST, \$1685

Bond, Sureties, Forfeit, none. Limit,

as soon as possible. Plans and speci-

fications filed.

(2377) PLUMBING, GAS & WATER  
fitting on above.  
Contractor—E. V. Lacey, 180 Jessie St.,  
San Francisco.

Filed Oct. 29, '19. Dated Oct. 25, '19.  
Roughed in .....

\$2600

Completed and accepted .....

2645

Usual 35 days .....

1750

TOTAL COST, \$6995

Bond, Sureties, Forfeit, none. Limit,

as soon as possible. Plans and speci-

fications filed.

(2378) SE CLEMENT AND NINTH  
Ave. Extend balcony of theatre  
building.  
Owner—S. H. Levin, Premises.

Architect—Reid Bros., California-Paci-  
fic Bldg., San Francisco.Contractor—Golden Gate Iron Works,  
1541 Howard, San Francisco.

COST, \$12,500

(2379) N CLAY 75 E Steiner. Two-  
story and basement frame dwelling.  
Owner—G. F. Schafer, 2211 California,  
San Francisco.

Architect—None.  
Contractor—Munster & Bornholdt, 1530  
Broderick, San Francisco.

COST, \$11,000

(2380) N FILBERT 185 E Van Ness  
Ave (rear). One-story and basement  
frame dwelling.

Owner—Mrs. J. A. Hewitt, 2600 Larkin,  
San Francisco.Architect—None.  
Contractor—Henry T. Grieb, 1020  
Greenwich, San Francisco.

COST, \$4000

(2381) NO. 1655 FILLMORE. Fitting  
up for show windows.  
Owner—B. Jacobs and G. Renbald,  
Premises.

Architect—None.  
Contractor—Western Hardwood Mfg.  
Co., 1024 Golden Gate Ave., S. F.

COST, \$1300

(2382) N GOLDEN GATE AVE 55 E  
Gough. Three-story reinforced con-  
crete stores and sales rooms.

Owner—Oscar H. Cortez, 521 Hayes,  
San Francisco.

San Francisco.

Plans by Owner.

Superintendent—W. Helms, 21 Hayes  
San Francisco.

COST, \$49,000

(2383) NO. 927 LAKE. Repair fire  
damage.

Owner—M. McCants, 709 Holbrook  
Bldg., San Francisco.Architect—None.  
Contractor—John Diestel, 248 Russ  
Bldg., San Francisco.

COST, \$1000

(2384) NO. 1651 DIVISADERO. Gen-  
eral alterations for dwelling.

Owner—Mrs. M. Murray, 1616 Mc-  
Allister, San Francisco.Architect—None.  
Contractor—Munster & Bornholdt, 1530  
Broderick, San Francisco.

COST, \$1121

(2385) No. 830 MARKET. Galvanized  
iron marquee.

Owner—Mr. Arnold, Premises.  
Architect—None.Contractor—Gulfof Cornice Works,  
229 8th, San Francisco.

COST, \$500

(2386) S NORTH POINT 109 E Powell.  
Three-story frame warehouse.

Owner—Simmons Co., 180 Bay, S. F.  
Architect—None.Contractor—Frank B. Peake, 1217 42nd  
Ave., San Francisco.

COST, \$25,000

(2387) TWENTY-THIRD, KANSAS &  
Rhode Island. Two-story frame box  
and can storage building, 34x100, and  
three-story frame warehouse, 181-6x  
36.

Owner—Bass Huefer Paint Co., 816  
Mission, San Francisco.Architect—The Foundation Co.  
Contractor—The Foundation Co., 58  
Sutter, San Francisco.

COST, \$20,000 and \$40,000 respectively

(2388) NO. 139 SUTTER. Alter store  
front.

Owner—The Tozer Co., 129 Sutter St.,  
San Francisco.Architect—None.  
Contractor—Western Hardwood Mfg.  
Co., 1024 Golden Gate Ave., S. F.

COST, \$425

(2389) MONTGOMERY & CHESTNUT.  
One-story concrete addition for of-  
fices.

Owner—Globe Grain & Milling Co.,  
Premises.Architect—None.  
Contractor—H. H. Larsen & Bro., Lick  
Bldg., San Francisco.

COST, \$6000

(2390) E MADRONE bet Taraval and  
Ulloa. Two-story and basement  
frame dwelling.

Owner—Augusto Houghtelen.  
Architect—None.Contractor—Rueg Bros., Pacific Bldg.,  
San Francisco.

COST, \$6000

(2391) W CAPP 100 S 16th. Five-  
story brick addition for warehouse.

Owner—Lachman Bros., Mission and  
16th, San Francisco.Architect—S. Heiman, 57 Post St., San  
Francisco.Day's work and Sub-Contracts.  
COST, \$25,000

(2392) W CAPP 100 S 16th. Five-  
story brick addition for warehouse.

Owner—Lachman Bros., Mission and  
16th, San Francisco.Architect—S. Heiman, 57 Post St., San  
Francisco.Day's work and Sub-Contracts.  
COST, \$25,000

(2392) E HYDE 112-6 N Turk. Addition of 22-6 for auto building. Owner—Mrs. F. L. Perigo. Architect—C. O. Clausen, 1128 Hearst Bldg., San Francisco. Contractor—J. G. Kincanon, Care Architect.

COST, \$3000

(2393) N FELL 82½ W Gough. Erect brick bake oven. Owner—A. Komsthoft, 527 Castro, San Francisco. Architect—Walter C. Falch, Hearst Bldg., San Francisco. Contractor—S. F. Owen Co., 1265 Eddy San Francisco.

COST, \$2250

(2394) NO. 503 DIVISADERO. General alterations for store. Owner—M. Widner, Premises. Architect—None. Contractor—Jack Persson, 702 Divisadero, San Francisco.

COST, \$600

(2395) NO. 230 CALIFORNIA. Alter for offices. Owner—Hind Estate Co., Premises. Architect—None. Contractor—Frichette Bros., 50 Washington, San Francisco.

COST, \$400

(2396) NW POST AND SCOTT. Erect lath and plaster partition and install basin. Owner—Mt. Zion Hospital Co., Prem. Architect—J. E. Kraft, Phelan Bldg., San Francisco. Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

COST, \$600

(2397) WESTWOOD PARK LOT 2 Blk 3196. One-story and basement frame dwelling. Owner—Lucy A. Bauer and A. Quinn, 2506 23rd Ave., San Francisco. Architect—None. Contractor—L. A. Bauer, 2506 23d Ave., San Francisco.

COST, \$6000

(2398) W EASTWOOD DRIVE 205 & 245 N Wildwood. Two one-story and basement frame dwellings. Owner—Hilding Anderson, 1858 Fell, San Francisco. Architect—H. C. Bauman, 251 Kearny, San Francisco. Day's work.

COST, \$1000 each

(2399) NO. 957 MARKET. Remodel bath house. Owner—Chas. Georgian, Premises. Architect—None. Day's work.

COST, \$4000

(2400) NO. 1245 HARRISON. Move building and build concrete piers. Owner—W. D. Halket, Premises. Architect—None. Contractor—H. L. Hatch, 4439 Geary, San Francisco.

COST, \$1500

(2401) SE GUERRERO & CLINTON Park S 160x E 220. Exterior painting of sheet metal and wood work for four-story reinforced concrete building. Owner—Mary's Help Hospital, Prem. Architect—D. E. Graham, 1100 Franklin St., San Francisco. Contractor—A. H. Kunst, 18 Chesley St., San Francisco.

Filed Oct. 31, '19. Dated Oct. 31, '19. On 15th and 1st of each month 75%. Usual 35 days. TOTAL COST, \$2940

Bond, none. Limit, 40 days. Forfeit, plans and specifications, none.

(2402) E HOWARD 135 N 13th. All work for wrecking present building and erecting wagon shed. Owner—John McCarthy & Son, 146 Battery, San Francisco. Architect—None. Contractor—Fred Moller, 572 Haight, San Francisco.

Filed Oct. 31, '19. Dated Oct. 30, '19. One-half completed. Balance Completed and accepted. TOTAL COST, \$1325

Bond, none. Limit, 30 days. Forfeit, plans and specifications, none.

(2403) S MISSION 175 W Sixth W 100 x S 160. All work except gasoline pump for one-story and basement concrete garage. Owner—T. J. Neilan, 316 Bush, S. F. Architect—Paul F. De Martini and R. B. Cleghorn, 2123 Powell, S. F. Contractor—G. B. Pasqualetti, 110 Jessie, San Francisco.

Filed Oct. 31, '19. Dated Oct. 28, '19. Steel set in main floor. \$4,000.00 Concrete poured to main floor. 4,000.00 Steel set in roof slab and fire walls. 5,000.00 Concrete poured to top of fire walls. 5,000.00 Completed and accepted. 9,651.25 30 days after. 9,651.25

TOTAL COST, \$38,615.00

Bond, \$19,307.50. Surety, London & Lancashire Indemnity Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(2404) N NORTHWOOD 300 AND 350 W Miramar. Two one-story and basement frame dwellings. Owner—W. Hansen and H. J. Hansen, 1327 20th Ave., San Francisco. Architect—Ida F. McCain, 318 Kearny, San Francisco. Contractor—H. J. Hansen, 1327 20th Ave., San Francisco.

COST, \$6000 each

(2405) E SEVENTEENTH AVE 100 N Fulton. Two-story and basement frame (2) flats. Owner—A. Stevens, 2507-A Polk, S. F. Architect—None. Day's work.

COST, \$7000

(2406) SW VAN NESS AND WILLOW Aves. Alter fronts. Owner—Louis J. Cohn, 625 Market St., San Francisco. Architect—None. Day's work.

COST, \$1000

(2407) NO. 2811 BUCHANAN. General repairs for dwelling. Owner—C. V. McCarthy, 244 Pine St., San Francisco. Architect—None. Contractor—Geo. Healing, 110 Jessie, San Francisco.

COST, \$1750

(2408) NO. 3028½ BUCHANAN. Repair fire damage. Owner—Wm. McAllister, Premises. Architect—None. Contractor—Peter Hansen, 2052 Union St., San Francisco.

COST, \$950

(2409) NO. 521 CLEMENT. Alter for bakery. Owner—Walter S. Thompson Estate. Architect—None.

Contractor—Robt. F. Smith, 433 Clementina St., San Francisco.

COST, \$425

(2410) NW CALIFORNIA AND 25th Ave. Addition for auto washing building.

Owner—Mark I. Hart, 2840 California, San Francisco. Architect—None. Contractor—John W. Stiefel, 184 23d Ave., San Francisco.

COST, \$595

(2411) E TWENTY-FOURTH AVE 250 N Balboa N 50x E 120. All work for two six-room and bath frame dwellings.

Owner—Rollin E. Meyer, 2628 Anza, San Francisco. Architect—None. Contractor—Meyer Bros., 2628 Anza, San Francisco.

Filed Nov. 1, '19. Dated Oct. 25, '19. Frames up. \$2150 Brown coated. 2150 Completed and accepted. 2150 Usual 35 days. 2150

TOTAL COST, \$8600

Bond, none. Limit, 90 days. Forfeit, \$1. Plans and specifications, none.

## COMPLETION NOTICES.

### San Francisco County

Oct. 24, 1919—E FORTY-FOURTH Ave 225 S Judah S 50x E 120. Oscar C. Crocker and 531r Estate Sarah Crocker to Jas Andrews. Oct. 24, 1919 Oct. 25, 1919—N OCEAN AVE 45 E 120. O. D. Dominic Tiscornia to O. D. Dominic Tiscornia. Oct. 25, 1919 Oct. 28, 1919—W TWENTY-SIXTH Ave 120 and 145 S Geary S 25x W 125. Wm A. Savage to whom it may concern. Oct. 28, 1919 Oct. 28, 1919—SE WELSH 227-6 SW Zoe SW 62-6XE 100. The National Bldg Works to Alfred H. Vogt. Oct. 28, 1919 Oct. 28, 1919—S GEARY 92-6 W Powell W 45x S 127-6. T W Corder, Inc. to Francis O'Reilly. Oct. 28, 1919 Oct. 29, 1919—LOT 9 BLK 23 Crocker Amazon Tract (N Munich 250 E Cordova). Crocker Estate Co to Albin Samuelson. Oct. 28, 1919 Oct. 29, 1919—LOT 9 BLK 12 Crocker Amazon Tract (N Rolph 210 E Newton). Crocker Estate Co to Albin Samuelson. Oct. 28, 1919 Oct. 29, 1919—LOTS 24 AND 25 BLK 23 Crocker Amazon Tract (E Naples 25 N Seville and NE Naples and Seville). Crocker Estate Co to Albin Samuelson. Oct. 28, 1919 Oct. 29, 1919—LOT 10 BLK 23 Crocker Amazon Tract (N Seville 140 W Cordova). Crocker Estate Co to Albin Samuelson. Oct. 28, 1919 Oct. 29, 1919—E FIFTEENTH AVE 375 N Fulton N 25x E 127-6. Thos H O'Connor to N John Nelson. Oct. 28, 1919 Oct. 29, 1919—NE BUSH AND MONROE E 20x N 68-6. Gerard Investment Co to whom it may concern. Oct. 24, 1919 Oct. 29, 1919—CALIFORNIA, CORNWALL AND Fifth Ave. Associated Oil Co to Barrett & Hilp. Oct. 18, 1919 Oct. 29, 1919—W TWENTY-SIXTH Ave 145 S Geary S 25x W 125. Wm A. Savage to whom it may concern. Oct. 28, 1919 Oct. 29, 1919—W TWENTY-SIXTH Ave 120 S Geary S 25x W 125. Wm A. Savage to whom it may concern. Oct. 28, 1919 Oct. 30, 1919—W EASTWOOD DRIVE and N line lot 6, S 40, N 86 deg. 03 min. 01 sec., W 109-147, N 88-746, S

86 deg. 27 min. 29 sec. E 114.681  
lot 6 pth 7. Bk 2164, Westwood  
Park. Hilding Anderson to An-  
derson & Johnson. Oct. 30, 1919  
Oct. 31, 1919—NE EIGHTH AVE. AND  
Irving E 35XN 60. Christ Church  
Lutheran to Grace & Bernieri.  
Oct. 31, 1919—324 TO 115 BROAD-  
way. Società Di Mulino Soccorso  
Della Compagnia Garibaldi to G.  
B. Pasqualetti. Oct. 22, 1919

## LIENS FILED.

## San Francisco County.

Nov. 1, 1919—E EIGHTEENTH 50 N  
Mississippi 25 on E 18th—\$130  
Hanson vs L. Abbate  
Oct. 31, 1919—E SHOTWELL 280 S  
18th S 50X E 175. J. T. Thorpe &  
Son vs Hind Estate Co. and Wad-  
hausen Co. \$571.75  
Oct. 22, 1919—E TWENTY-THIRD  
AV 125 S Judah S 25X E 175 S W  
150-4 m or 1 E 28-7 N 175 W 120.  
L Ronco vs Edw and Elta S Perk-  
ins. \$30

## BUILDING CONTRACTS.

## Alameda County.

3331 Mitchell	Nelson	14000
3332 Safe Rlty	Short	5600
3333 Merrill	Shrader	646
3334 Kletzker	Nielsen	—
3335 Takaki	Owner	2500
3336 Langbelin	Owner	1750
3337 Pfrang	Pfrang	2450
3338 Braswell	Graff	1650
3339 Graff	Graff	9000
3340 Benke	Klun	1200
3341 Molinari	Owner	600
3342 Raiser	Hambleton	400
3343 Krussell	Barnard	400
3344 Westman	Westman	300
3345 Pencovic	Frankmaun	500
3346 Worcester	Westlund	2375
3347 Haste	Hopper	7850
3348 Northbrae	Hoyt	35000
3349 Neary	Neary	2000
3350 Hinch	Parker	2250
3351 Baker	Baker	5000
3352 Asumma	Owner	4750
3353 Moeller	Scott	1000
3354 Spangler	Bond	500
3355 Kelleher	Owner	450
3356 Cross	Cross	425
3357 Shrock	Burks	600
3358 Rickard	Ricker	2050
3359 Bkly Ed Ed.	Medley	17245
3360 Parker	Hendrickson	5500
3361 Pfrang	Pfrang	2000
3362 Stephensen	Conner	300
3363 Elise	Pearson	4000
3364 Steinberg	Horton	3000
3365 Crane	Crane	3000
3366 Laymance	Rose	160
3367 Rlty Syndicate	Owner	10000
3368 Pfrang	Pfrang	4000
3369 Coogan	Burton	2638
3370 Weinmann	Frostholm	1900
3371 Myer	Myer	1200
3372 Bick	Tylenen	400
3373 Mackae	Mackae	475
3374 Long	Nelson	45000
3375 W C Kalsomine	Owner	750
3376 Glover	Skidmore	400
3377 Beljefsen	Peterson	1250
3378 Jeffers	Jeffers	500
3379 Hayaski	Woodard	2000
3380 Moore	Thurston	2000
3381 Hunter	Texdahl	9327
3382 Bauman	Morris	12000
3383 Albera	Cereghino	3000
3384 Goranson	Goranson	2900
3385 Larsen	Larsen	15000
3386 Hughes	Hughes	1000
3387 Rlty Syndicate	Bacuse	36
3388 Same	Picard	578
3389 Same	Frostholm	4350

GARAGE  
(3331) SE TWENTY-THIRD AND  
Webster, Oakland. One-story con-  
crete garage.  
Owner—H. A. Mitchell, 40th and  
Shafter Ave., Oakland.  
Architect—Reed & Corlett, Oakland Bk.  
of Savings Bldg., Oakland.  
Contractor—Nelson & Forsyth, Union  
Savings Bank Bldg., Oakland.  
COST, \$14,360

DWELLINGS  
(3332) S DELAWARE 190 and 230 E

Peralta Ave., Oakland. Two one-  
story 5-room dwellings.  
Owner—Safe Realty Co., Bacon Bldg.,  
Oakland.  
Architect—None.  
Contractor—C. W. Short, 215 Acton  
Place, Oakland.  
COST, \$2800 each

(3333) NO. 2415 FULTON, Berkeley.  
Repairs.  
Owner—W. H. Merrill, 1667 Shattuck  
Ave., Berkeley.  
Architect—None.  
Contractor—J. F. Shrader, 520 16th,  
Oakland.  
COST, \$646

(3334) FIFTY-SIXTH ST. near Dover  
St., Oakland. All work for two one-  
story 4-room apartments.  
Owner—Edward Kletzker, 1514 Jack-  
son, Oakland.  
Architect—None.  
Contractor—H. Nielsen, 4127 24th, San  
Francisco.  
Filed Oct. 27, '19. Dated \_\_\_\_.  
TOTAL COST, \$—  
Bond, limit, forfeit, none. Specifi-  
cations only filed.

(3335) NO. 2539 FULTON (rear), Ber-  
keley. Two-story 12-room apart-  
ments.  
Owner—B. Takaki, R. F. D. 130, San  
Leandro.  
Architect—None.  
Day's work. COST, \$2500  
(3336) NW BIRDSALL AVE AND  
Fleming, Oakland. One-story 4-room  
dwelling.  
Owner—Peter Langbelin, 5050 Birdsall  
Ave., Oakland.  
Architect—None.  
Day's work. COST, \$1750

(3337) E CLAREMONT AVE 150 S  
Hardy, Oakland. One-story 5-room  
dwelling.  
Owner—C. J. Pfrang, 480 Forest, Okd.  
Architect—None.  
Day's work. COST, \$2450  
(3338) N FORTY-FOURTH 230 E  
Telegraph Ave., Oakland. One-story  
3-room dwelling.  
Owner—Mrs. Braswell, 1926 Broad-  
way, Oakland.  
Architect—None.  
Contractor—Edwin C. Graff, 1926  
Broadway, Oakland.  
COST, \$1650

(3339) SW RAND AND COTTAGE,  
Oakland. Two-story 9-room dwlg.  
Owner—Edwin C. Graff, 1926 Broadway,  
Oakland.  
Architect—None.  
Day's work. COST, \$9000  
(3340) NO. 3027 FILBERT, Oakland.  
Alterations.  
Owner—Henry R. Benke, Premises.  
Architect—None.  
Contractor—Fred Klun, 414 Moss Ave.,  
Oakland. COST, \$1200

(3341) NO. 5387 BRYANT AVE., Oak-  
land. Alterations.  
Owner—James Molinari, Premises.  
Architect—None.  
Day's work. COST, \$600

(3342) NO. 5332 E-TENTH, Oakland.  
Alterations.

Owner—Geo. W. Raiser, 4185 Hollis,  
Oakland.  
Architect—None.  
Contractor—Fred Hambleton, 3737 13th  
Ave., Oakland.  
COST, \$400

(3343) SE NINTH AND HARRISON,  
Oakland. Fire repairs.  
Owner—D. S. Krussell.  
Architect—None.  
Contractor—C. S. Barnard, 591 24th,  
Oakland.  
COST, \$400

(3344) N THENOR opp. Chevrolet  
Factory, Oakland. One-story 2-room  
dwelling.  
Owner—Ed. L. Westman, 6246 Broad-  
way, Oakland.  
Architect—None.  
Day's work. COST, \$500

(3345) NO. 735 WASHINGTON, Oak-  
land. Alterations.  
Owner—A. S. Pencovic, Premises.  
Architect—None.  
Contractor—C. H. Frankmaun, El Cer-  
rito, Cal. COST, \$500

(3346) NO. 2063 OAKLAND AVE.,  
Piedmont. All work for garage, re-  
taining wall, bathroom and 2 flights  
of steps.  
Owner—Sarah C. Worcester, Premises.  
Architect—Albert Farr, 68 Post St.,  
San Francisco.  
Contractor—Fred Westlund, 2207 10th  
Ave., Oakland.  
Filed Oct. 27, '19. Dated Oct. 25, '19.  
12th and 27th of each month. 75%  
Usual 35 days. Balance  
TOTAL COST, \$2375.50  
Bond, none. Limit, 30 days. Forfeit,  
none. Plans and specifications filed.

(3347) W 25 LOT 20 and E 40 Lot 21  
Map Craig Ppty, Piedmont. All work  
for two-story 9-room dwelling.  
Owner—Julie I. Haste, 110 Mesa Ave.,  
Oakland.  
Architect—None.  
Contractor—Marshall E. Hopper, 12  
Linda Ave., Oakland.  
Filed Oct. 28, '19. Dated Oct. 25, '19.  
1st floor joists on.....\$ 850  
Frame up.....2000  
Brown coated.....2000  
Completed.....2000  
Usual 35 days. TOTAL COST, \$7850  
Bond, none. Limit, 90 days. Forfeit,  
none. Plans and specifications filed.

CHURCH  
(3348) E THE ALAMEDA COR. Los  
Angeles, Berkeley. Two-story 12-  
room church.  
Owner—Northbrae Presbyterian Church  
Architect—J. H. Thomas, 1st National  
Bank Bldg., Berkeley.  
Contractor—H. P. Hoyt, 1675 Marin  
Ave., Berkeley.  
COST, \$35,000

(3349) W TWENTY-SIXTH AVE 100  
N E-21st, Oakland. One-story 4-room  
dwelling.  
Owner—Wm. F. Neary, 1701 Telegraph  
Ave., Oakland.  
Architect—None.  
Day's work. COST, \$2000

(3350) SE FOURTEENTH AVE AND  
E-21st, Oakland. One-story 5-room  
dwelling.

Owner—E. M. Hinch, 393 Bellevue Ave., Oakland.  
 Architect—None.  
 Contractor—Jos. Parker, 944 E-14th, Oakland.

COST, \$2250

(3351) N COTTAGE 100 W Ohio, Oakland. Two-story 6-room dwelling.  
 Owner—W. J. Baker, 546 30th, Okd.  
 Architect—None.  
 Day's work.

COST, \$5000

(3352) S HAIWOOD AVE 95 W Ross, Oakland. Two-story 8-room dwelling.  
 Owner—L. Asumaa, 1605 Harmon St., Oakland.  
 Architect—None.  
 Day's work.

COST, \$4750

(3353) NO. 1811 FORTIETH AVE., Oakland. One-story 3-room dwelling.  
 Owner—Wm. Moelles, Premises.  
 Architect—None.  
 Contractor—G. A. Scott, 685 23rd St., Oakland.

COST, \$1000

(3354) NO. 464 FORTY-FIRST, Oakland. Alterations.  
 Owner—Jas. A. Spangler, Premises.  
 Architect—None.  
 Contractor—Jas. R. Bond, 3536 Douglass, Oakland.

COST, \$500

(3355) NO. 526 FIFTY-EIGHTH, Oakland. Alterations.  
 Owner—Mrs. W. Kelleher, 520 58th St., Oakland.  
 Architect—None.  
 Day's work.

COST, \$450

(3356) NO. 1749 EIGHTY-FIFTH AV., Oakland. Two-story garage.  
 Owner—D. M. Cross, Premises.  
 Architect—None.  
 Day's work.

COST, \$425

(3357) NO. 305 PERKINS, Oakland. Garage.  
 Owner—B. S. Shrock.  
 Architect—None.  
 Contractor—C. E. Burks, 4152 Randolph Ave., Oakland.

COST, \$500

(3358) NO. 2722 BANCROFT WAY, Berkeley. Alter barn into dwelling.  
 Owner—Mrs. Alice Rickard, Premises.  
 Architect—None.  
 Contractor—H. C. Kidder, 2075 Addison St., Berkeley.

COST, \$2050

(3359) SE OREGON ST., bet. Grant St and McGee Ave., Berkeley. Brick work and imitation stone work for alterations and addition to Edison School.  
 Owner—Berkeley School District of Alameda County.  
 Architect—Walter H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.  
 Contractor—Mealey & Collins, 180 Jessie St., San Francisco.  
 Filed Oct. 29, '19. Dated Oct. 20, '19.

On 10th of each month..... 75%  
 Usual 35 days..... 25%  
 TOTAL, (COST) \$17,245  
 Bonds, \$8750 and \$8750. Surety, Fidelity & Casualty Co. Limit, 90 days.  
 Forfeit, none. Plans and specifications none.

(3360) SE CEDAR AND TENTH, Berkeley. One-story 5-room dwelling.

Owner—C. J. Pfirang, 480 Forest St., Oakland.  
 Architect—None.  
 Day's work.

COST, \$2000

(3361) 2520 HASTE, Berkeley. Alterations and addition to dwelling.  
 Owner—Thomas J. Stephensen, Prem.  
 Architect—None.  
 Contractor—Conner & Conner, Berkeley Way and Shattuck, Bkly.

COST, \$3000

(3362) NO. 1972 MARIN AVE., Berkeley. One-story 6-room dwelling.  
 Owner—Ralph R. Elise, 1915 Escondido Ave., Berkeley.  
 Architect—None.  
 Contractor—Ben Pearson, 2403 Grant, Berkeley.

COST, \$4000

(3363) NOS. 1412 & 1414 STANNAGE Ave., Berkeley. Two one-story dwellings.  
 Owner—Geo. H. Steinberg, 347 E-12th, Oakland.  
 Architect—None.  
 Contractor—Jas. D. Horton, 235 Blake Block, Oakland.

COST, \$1500 each

(3364) E WALNUT 80 N Cedar, Berkeley. Two-story 2-room dwelling.  
 Owner—C. B. Crane, 2695 Cedar, Bkly.  
 Architect—None.  
 Day's work.

COST, \$3000

(3365) NO. 244 LAKESHORE BLVD., Oakland. Fire repairs.  
 Owner—Laymance Realty Co., 1515 Franklin, Oakland.  
 Architect—None.  
 Contractor—A. H. Rose & Co., 525 17th Oakland.

COST, \$460

(3366) S ELEVENTH 90 E Webster, Oakland. One-story brick garage.  
 Owner—Realty Syndicate, 1440 Broadway, Oakland.  
 Architect—Hamilton Murdock, Syndicate Bldg., Oakland.  
 Day's work.

COST, \$10,000

(3367) E TENTH 30 and 65 S Cedar, Berkeley. Two one-story 5-room dwellings.  
 Owner—C. J. Pfirang, 480 Forest St., Oakland.  
 Architect—None.  
 Day's work.

COST, \$2000 each

(3368) LOT 13 AND S 32 LOT 12 Bk 32, Fairmont Park Tract, Albany. One-story 20 one-story 5-room and sleeping porch dwellings.  
 Owner—Mary Parker, Berkeley.  
 Architect—None.

Contractor—A. Hendrickson, Oakland.  
 Filed Oct. 29, '19. Dated Oct. 20, '19.  
 On presentation of bills.....

TOTAL COST, \$5500

Bond, none. Limit, 100 days after Oct. 27. Forfeit, none. Plans and specifications filed.

(3369) DAYTON AND PALMERO, Alameda Alterations.  
 Owner—A. J. Coogan, Premises.  
 Architect—None.  
 Contractor—Chas. Burton, 2315 Garfield, Alameda.

COST, \$2688

(3370) NO. 705 GRAND, Alameda. Alterations.

Owner—Wm. L. Weinmann, Premises.  
 Architect—Hamilton Murdock, Syndicate Bldg., Oakland.  
 Contractor—H. M. Frostholt, Syndicate Bldg., Oakland.

COST, \$1900

(3371) NO. 1624 LAFAYETTE, Alameda. One-story 4-room dwelling.  
 Owner—Fred C. Myer, 1609 Willow St., Alameda.  
 Architect—None.  
 Day's work.

COST, \$1200

(3372) NO. 1808 ST. CHARLES, Alameda. Addition.  
 Owner—M. Bick, 1101 Buena Vista Ave., Alameda.  
 Architect—None.  
 Contractor—J. Tylesen, 1570 Eddy St., San Francisco.

COST, \$400

(3373) NO. 1216 VERSAILLES AVE., Alameda. Alterations.  
 Owner—Minnie E. Mackae, Premises.  
 Architect—None.  
 Day's work.

COST, \$478

(3374) S BERKELEY WAY — E Shattuck Ave., Berkeley. Three-story Class "B" storage building.  
 Owner—Roy O. Long, Elks Club, Bkly.  
 Architect—None.  
 Contractor—Nelson & Forsyth, Union Savings Bank Bldg., Berkeley.

COST, \$45,000

(3375) FIFTH AND GRAYSON, Berkeley. Addition.  
 Owner—West Coast Kalasomine Co., Premises.  
 Architect—None.  
 Day's work.

COST, \$750

(3376) NO. 1100 WALNUT AVE., Berkeley. Garage.  
 Owner—J. W. Glover, 158 17th Ave., San Francisco.  
 Architect—None.  
 Contractor—G. Skidmore, 438 44th, Okd.

COST, \$400

(3377) NW E-TENTH AND THIRTY-seventh Ave., Oakland. Fire repairs.  
 Owner—K. Betlesen.  
 Architect—None.  
 Contractor—A. S. Ferguson, 3268 Prentiss, Oakland.

COST, \$1250

(3378) NO. 812 FIFTH AVE., Oakland. Alterations.  
 Owner—R. E. Jeffers, 48 Highland Ave., Oakland.  
 Architect—None.  
 Day's work.

COST, \$500

(3379) W SEVENTY-THIRD AVE 60 N Fresno, Oakland. Two-story addition to dwelling.  
 Owner—Hayashi Bros.  
 Architect—None.  
 Contractor—L. L. Woodard, 2415 73rd Ave., Oakland.

COST, \$2000

(3380) NW ORCHID AND THIRTY-fourth Ave., Oakland. One-story 2-room dwelling.  
 Owner—W. W. Moore, 2442 Peralta Ave., Oakland.  
 Architect—None.  
 Contractor—A. Thornton, 2917 E-19th, Oakland.

COST, \$500

(3381) COX, MILAIA AND UNIVERSITY AVE., Berkeley. One-story Class "C" garage.  
Owner—D. B. Hunter.  
Architect—James W. Plachek, 2011 Shattuck Ave., Berkeley.  
Contractor—C. Texdahl, 226 Acton Place, Berkeley.

COST, \$9327

(3382) E COLLEGE AVE 57 S Chabot, Oakland. One-story 18-room apartments.  
Owner—Annabell Bauman, 1929 Harrison, Oakland.  
Architect—None.  
Contractor—Solomon Morris, 1507 Harrison, Oakland.

COST, \$12,000

(3383) N "D" ST. 500 E Jones Ave., Oakland. One-story 5-room dwlg.  
Owner—P. Albera, 8857 "C" St., Okd.  
Architect—None.  
Contractor—E. F. Cereghino, 1248 96th Ave., Oakland.

COST, \$3000

(3384) E LAGUNA AVE 100 S Hopkins, Oakland. One-story 6-room dwelling.  
Owner—H. Goranson, 3435 Peralta Ave., Oakland.  
Architect—None.  
Day's work.

COST, \$2900

(3385) W TWENTY-NINTH AVE 110 to 285 N E-14th, Oakland. Five one-story 5-room dwellings.  
Owner—R. K. Larsen, 1550 28th Ave., Oakland.  
Architect—None.  
Day's work.

COST, \$3000 each

(3386) 1833 FORTIETH AVE., Oakland. Addition.  
Owner—Geo. B. Hughes, Premises.  
Architect—None.  
Day's work.

COST, \$1000

(3387) S ELEVENTH 90 E Webster E 60x100, Okd. Brick work and foundations for one-story Class "C" garage.  
Owner—Realty Syndicate Co., 1444 Broadway, Oakland.  
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.  
Contractor—Wm. J. Baceus, 565 16th, Oakland.

Filed Oct. 31, '19. Dated Oct. 28, '19.  
Completed and accepted.....\$2745.75  
Usual 35 days..... 915.25  
TOTAL COST, \$3661.00  
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(3388) PLUMBING, LEADERS, SEWER work, etc., on above.  
Contractor—W. H. Picard, 477 Hardy St., Oakland.  
Filed Oct. 31, '19. Dated Oct. 28, '19.  
Roughed in .....\$346.80  
Completed and accepted..... 86.70  
Usual 35 days..... 144.50  
TOTAL COST, \$578

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.  
(3389) EXCAVATING, GRADING, concrete floor, sidewalk, carpenter and mill work, glass, hardware and filling on above.  
Contractor—H. M. Frostholt, 6457 Colby St., Oakland.

Filed Oct. 31, '19. Dated Oct. 28, '19.  
Trusses set .....¼  
Roof ready for roofer..... ¼

Completed and accepted..... ¼  
Usual 35 days..... ¼  
TOTAL COST, \$4350  
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

## COMPLETION NOTICES.

### Alameda County.

#### Recorded

Nov. 1, 1919—NE FOURTH & ALICE E 150XN 100, Okd. H L Hinman (Merchants Express & Draying Co) to Nelson & Forsyth. Oct. 30, 1919  
Nov. 1, 1919—PTN LOTS 9 AND 10 Blk "G" Map East Piedmont Heights, Okd. Joseph Edward to whom it may concern. Oct. 22, 1919  
Oct. 27, 1919—PTN LOTS 3, 4 AND 5 Blk 12, Havenscourt, Okd. Erma V Collier to William J Blake. Oct. 27, 1919  
Oct. 28, 1919—PTN 200 S and 110 E of SE Cor. First and Market N 25X E 25, Okd. Pacific Gas & Electric Co to Judson Mfg Co. Oct. 22, 1919  
Oct. 28, 1919—NE SUTER 170.39 E 1/4 NE 35XN 98.26, Okd. Waterfront Sash & Door Co to W J Moore. Oct. 27, 1919  
Oct. 30, 1919—LOT 132 Map Santa Fe Tract No. 20, Okd. E. Jansen to whom it may concern. Oct. 28, 1919  
Oct. 31, 1919—S 35 LOT 12 BLK 1 The Highlands Bkly. Oscar W Weibel to C H Warren. Oct. 27, 1919  
Oct. 31, 1919—SE MAUD AVE and SW San Rafael SW 150XSE 160, San Leandro. Minnie I Hall to whom it may concern. Oct. 14, 1919  
Oct. 31, 1919—W MARKET, 62-6 N Eighth N 62-6XW 125, Okd. O J Mead to H P Nelson. Oct. 30, 1919

#### Accepted

Owner—J. S. Lisle, 121 8th St., Fresno.  
Architect—None.  
Contractor—Dan Blosser, 3212 El Monte St., Fresno.  
COST, \$6000  
No. 3230 HUNTINGTON ST., Fresno.  
Frame dwelling and garage.  
Owner—G. L. Mower, Fresno.  
Architect—None.  
Contractor—Dan Blosser, 3212 El Monte St., Fresno.  
COST, \$7000

LOTS 23 AND 24 BLK 5, K. B. Heights, Fresno. Frame dwelling.  
Owner—T. Cavanaugh, 3535 Grant St., Fresno.  
Architect—None.  
Day's work.  
COST, \$2506  
LOT 2 BLK 5, Arlington Heights, Fresno. Frame dwelling.  
Owner—C. C. Shiley, N-Princeton St., Fresno.  
Architect—None.  
Day's work.  
COST, \$3500

LOT 11 BLK 3, Woodlawn, Fresno. Frame dwelling and garage.  
Owner—J. P. Williams, 2540 Harvey St., Fresno.  
Architect—None.  
Day's work.  
COST, \$3500

LOTS 28 AND 29 Park Place, Fresno. Frame dwelling.  
Owner—E. P. Tallaffero, 2917 Grant St., Fresno.  
Architect—None.  
Day's work.  
COST, \$3000

## BUILDING CONTRACTS.

### Fresno County.

LOTS 73, 74, 75 AND 76, Del Mar Tct., Fresno. Two frame dwellings and garages.  
Owner—Dan Blosser, 3212 El Monte St., Fresno.  
Architect—None.  
Day's work.  
COST, \$3500 each

LOTS 7 AND 8 BLK 4, Alhambra Tct., Fresno. Frame dwelling and garage.  
Owner—Mogroff & Petty, 1033 "J" St., Fresno.  
Architect—None.  
Day's work.  
COST, \$4500

LOT 13 BLK 27, Alta Vista Tract, Fresno. Frame dwelling and garage.  
Owner—Miss L. Burleigh, 110 Thesta St., Fresno.  
Architect—None.  
Contractor—Dan Blosser, 3212 El Monte St., Fresno.  
COST, \$6000

LOT 30 BLK 6, Alta Vista Tct., Fresno. Frame dwelling and garage.  
Owner—A. F. Wakefield, 1229 "I" St., Fresno.  
Architect—None.  
Contractor—Dan Blosser, 3212 El Monte St., Fresno.  
COST, \$4000

LOT 9 BLK 9, Alta Vista Tct., Fresno. Frame dwelling and garage.  
Owner—Seasler, Fresno.  
Architect—None.  
Contractor—D. Blosser, 3212 El Monte, Fresno.  
COST, \$4000

LOTS 20 AND 21 BLK 7, College Add'n., Fresno. Frame dwelling and garage.

No. 3328 LOWE AVE., Fresno. Frame dwelling.  
Owner—Mrs. A. W. Lisle, Fresno.  
Architect—None.  
Contractor—C. P. Keesling, 3414 Lowe Ave., Fresno.  
COST, \$3000

SHELL CAMP OILFIELDS, Fresno. All work for one-story stucco school.  
Owner—Oil King Grammar School District.  
Architect—Ernest J. Kump, Rowell Bldg., Fresno.  
Contractor—W. J. Ochs, Coalinga.

Filed Oct. 28, '19. Dated Oct. 20, '19.  
Monthly payments of..... 75%  
Usual 35 days..... 25%  
TOTAL COST, \$44,603  
Bond, \$22,543. Surety, American Surety Co. of New York. Limit, 200 days. Forfeit, none. Plans and specifications filed.

LOTS 17, 18, 21 AND 22 BLK 87, Fairmont, Fresno. Two frame dwellings.  
Owner—W. R. Ralls, 125 Modoc St., Fresno.  
Architect—None.  
Day's work.  
COST, \$2700 each

## COMPLETION NOTICES.

### Fresno County.

Recorded Accepted  
Oct. 29, 1919—PORTIONS LOTS 15 & 16 Blk 57 and Cor "A" and Fresno Sts., Fresno. Associated Oil Co to whom it may concern. Oct. 17, 1919

## BUILDING CONTRACTS.

## Sacramento County.

NO. 428 "J" ST., Sacramento. Repair elevator shaft.  
Owner—Travelers Hotel, Premises.  
Architect—None.  
Contractor—J. L. Siller, 1400 P St., Sacramento. COST, \$1400

NO. 1144 FORTY-SECOND ST., Sacramento. Eight-room frame dwlg.  
Owner—Harlan & McCullough, Sacramento.  
Architect—None.  
Day's work. COST, \$11,000

NO. 2865 "G" ST., Sacramento. Frame dwelling.  
Owner—B. Barry, 1831 "O" St., Fresno.  
Architect—None.  
Contractor—P. Powell & Co., Sacramento. COST, \$41000

NOS. 2311 AND 2323 "W" ST., Sacramento. Two frame residences.  
Owner—W. J. Taylor, Sacramento.  
Architect—None.  
Day's work. COST, \$4500 each

NO. 1102 "K" ST., Sacramento. One-story addition to private garage.  
Owner—Pacific Gas & Electric Co., 11th and "K" Sts., Sacramento.  
Architect—None.  
Contractor—P. J. O'Brien, 2215 13th St., Sacramento. COST, \$4055

FRONT AND "Y" STS., Union Oil Acres Sacramento. Paint inside of station  
owner—Union Oil Co., "Y" St. near Front, Sacramento.  
Architect—None.  
Day's work. COST, \$1500

NO. 910 "J" ST., Sacramento. Repair fire damage to store.  
Owner—P. Oakley Estate, Sacramento.  
Architect—None.  
Contractor—Ed. Harvie, 2212 "T" St., Sacramento. COST, \$1890

NO. 1720 "C" ST., Sacramento. Repair creamery in store.  
Owner—Blake & Sons, 116 7th St., Sacramento.  
Architect—None.  
Contractor—C. J. Guth, 1516 27th St., Sacramento. COST, \$1400

NO. 1435 THIRTY-EIGHTH ST., Sacramento. Two-story 11-room frame residence.  
Owner—C. B. McKee, 2407 M St., Sacramento.  
Architect—None.  
Contractor—C. J. Guth, 1516 27th St., Sacramento. COST, \$19,000

NO. 2222 "G" ST., Sacramento. Residence.  
Owner—E. Driemeyer, 2011 25th St., Sacramento.  
Architect—None.  
Contractor—R. M. Smith, 2633 30th St., Sacramento. COST, \$36,500

## BUILDING CONTRACTS.

## Santa Clara County.

NO. 450 S-TWELFTH ST., San Jose. Six-room cottage.

Owner—Rees Williams, 472 S-12th St., San Jose.  
Architect—None.  
Day's work. COST, \$4000

NO. 65 S-SEVENTH ST., San Jose. One-story school room.  
Owner—Seventh Day Adventist Church  
Architect—None.  
Contractor—G. C. Folkenberg. COST, \$1600

NOS. 117-119 S-FIRST ST., San Jose. Remodeling store.  
Lessee—Reich & Lievre, Premises.  
Architect—None.  
Contractor—Morrison Bros., Builders' Exchange, San Jose. COST, \$2200

NOS. 536-540 S-FIFTEENTH ST., San Jose. Two five-room cottages.  
Owner—F. B. Gilger, 42 E-Santa Clara St., San Jose.  
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.  
Day's work. COST, \$3500 each

NO. 220 DELMAS ST., San Jose. Five-room cottage.  
Owner—C. Moore, Premises.  
Architect—A. K. Burkett.  
Contractor—A. K. Burkett, 525 Chapman St., San Jose. COST, \$3000

NO. 1131 SHERMAN ST., San Jose. Repairs.  
Owner—Mrs. S. Moran, Premises.  
Architect—None.  
Contractor—E. E. Crewe, 1186 Sherman St., San Jose. COST, \$1600

## BUILDING CONTRACTS.

## San Joaquin County.

VINE AND MADISON STS., Stockton. Remodel.  
Owner—P. E. Folsom, Stockton.  
Architect—None.  
Day's work. COST, \$2750

EAST OAK ST., bet. California and American Sts., Stockton. Frame apartments.  
Owner—Chas. Mackrell, 633 N-Hunter St., Stockton.  
Architect—None.  
Day's work. COST, \$12,000

NORTH ST., bet. Orange St. and Pershing Drive, Stockton. Frame dwelling and garage.  
Owner—T. P. Dobson, 27 W-Oak St., Stockton.  
Architect—None.  
Day's work. COST, \$3700

COGORNA ADD'N., Stockton. Frame dwelling.  
Owner—Mrs. Ray Shutes, Stockton.  
Architect—None.  
Day's work. COST, \$3500

W MAGNOLIA ST., bet. Madison and Commerce Sts., Stockton. Remodel for flats.  
Owner—Lilly Corsiglia, Stockton.  
Architect—None.  
Day's work. COST, \$2500

N LINCOLN ST., bet. Rose and Vine Sts., Stockton. Frame dwelling.  
Owner—C. H. McGurk, Stockton.  
Architect—None.  
Day's work. COST, \$4300

N O'HIR ST., bet. Flora and Park Sts., Stockton. Dwelling.  
Owner—T. M. Gnanelli, Stockton.  
Architect—None.  
Day's work. COST, \$2500

EL DORADO AND LAFAYETTE STS., Stockton. Three-story brick hotel and store building.  
Owner—L. Cassinelli.  
Architect—Walter King, Call Bldg., San Francisco.  
Contractor—Totten & Trewitt, Stockton. COST, \$45,000

CALIFORNIA AND AMERICAN STS., Stockton. Remodel flats.  
Owner—J. Blossom, 941 N-Monroe St., Stockton.  
Architect—None.  
Day's work. COST, \$4500

## COMPLETION NOTICES.

## San Joaquin County.

Recorded Oct. 28, 1919—NW WEBER AVE & Stanislaus, Stockton. Associated Oil Co to Peter H. Anderson.....October 17, 1919

## BUILDING CONTRACTS.

## Santa Clara County.

ADDITION  
NO. 7 MARTIN AVE., Hanchett Tract, San Jose. All work except art glass, electric wiring, painting and plumbing fixtures for addition to residence.  
Owner—Vivian Loose Blair, San Jose.  
Architect—Louis Thee, Lenzen, 110 S-Second St., San Jose.  
Contractor—H. A. Bridges, 725 S-7th St., San Jose.  
Filed Oct. 21, '19. Dated Oct. 20, '19.  
75% of value of work and materials as work progresses .....\$1500  
Usual 35 days, 75% ..... 500  
TOTAL COST, \$2000  
Bond, \$1000. Sureties, Paul Fraser and A. B. Ross. Limit, 52 working days from Oct. 21, 1919. Forfeit, none. Plans and specifications filed.

NO. 86 S-TWELFTH ST., San Jose. All work for remodeling and finishing attic portion of 1½-story frame residence.  
Owner—M. J. Norton, Premises.  
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.  
Contractor—Al Compton, 547 N-17th St., San Jose.  
Filed Oct. 22, '19. Dated Oct. 22, '19.  
Frame work up .....\$372.25  
1st coat paint on ..... 372.25  
Remodeling complete ..... 372.25  
Usual 35 days ..... 372.25  
TOTAL COST, \$1489  
Bond, \$750. Sureties, E. W. and Otto E. Schnabel. Limit, 30 days from Oct. 22. Forfeit, none. Plans and specifications filed.

NO. 250 S-THIRTEENTH ST., San Jose. Seven-room frame cottage.  
Owner—M. Pezzoni.  
Designer—F. C. Nelson.  
Contractor—F. C. Nelson, 31 S-15th St., San Jose. COST, \$8990

NO. 221 S-FIRST ST., San Jose. Alterations of front.  
Lessee—Gus. Wendt & Sons, Market & St. John Sts., San Jose.  
Architect—Theo. Lenzen, 110 S-Second

St. San Jose  
Contractor—H. A. Bridges, 725 S-7th  
St., San Jose. COST, \$800

NO. 32 S-THIRTEENTH ST., San Jose.  
Addition, etc.  
Owner—J. W. McCullough, Premises.  
Architect—None.  
Contractor—A. C. Humphrey.  
COST, \$1700

NO. 184 N-SIXTH ST., San Jose. Ga-  
rage and repairs.  
Owner—Laura J. Sears, Premises.  
Architect—Owner.  
Contractor—W. B. Stone, 1451 S-1st St.,  
San Jose. COST, \$500

NO. 179 S-FIRST ST., San Jose. Alter-  
ations.  
Owner—Golden & Boomer.  
Architect—M. Krause.  
Contractor—H. A. Bridges, 725 S-7th  
St., San Jose. COST, \$500

NO. 86 S-TWELFTH ST., San Jose.  
Addition.  
Owner—Mrs. M. J. Norton, Premises.  
Architect—Chas. MacKenzie, Bank of  
San Jose Bldg., San Jose.  
Contractor—Al. Compton, N-17th St.,  
San Jose. COST, \$1700

#### WOODEN WATER MAINS LAST BOSTON 130 YEARS.

BOSTON, Mass.—In putting in high-pressure water mains recently, workmen dug up one of Boston's streets came across about 50 feet of wooden water mains installed in the city in 1789 and used continually until 1840 for bringing water from Jamaica pond in Roxbury to this city. The pipes were installed by a corporation formed at the instigation of Governor Samuel Adams, with authority to hold \$32,000 worth of real estate and to issue 100 shares of stock.

In all, 15 miles of these water mains were laid, serving a fairly large section of what is now downtown Boston and was then the whole town. At the height of prosperity the service supplied 1500 houses with water. They were replaced in 1840 with 10-inch iron pipes, and in 1849 the present municipal system, which now has more than 860 miles of mains, supplying more than 100,000 buildings.

The wooden mains are approximately 16 inches in outside diameter, left in their natural condition on the outside, except for removal of the bark, with four-inch and two-inch bores through them.

(Continued from page 4)

tools for labor to function under the direction of brains in order to meet the demands of society for the products of the various industries. In the past society has failed to recognize any limitation to the capacity of capital and has encouraged the investment of large amounts of capital in non-essential industries while at the same time it has discouraged the investment of capital in public utilities which are extremely essential to the general welfare. Industries which are not regulated by the government commissions are supplied with capital in sufficient quantity to meet their needs as determined by the demands put upon them by society which, by paying higher prices, encourages the advent of capital into such industries. It is quite important to the brain element of industry that the proper amount of capital be made available to each industry, because a man's mental equipment often includes a specialized knowledge of a particular industry, and any stoppage of the flow of capital to that industry will react unfavorably upon the income of the brains of that industry. It may be said that labor is least affected as it can more readily apply its force to a new industry without much loss in earning power. It is not essential then for brains to unite to draw capital toward those industries now suffering for lack of it?

Brains, meaning the engineer and the executive as well as the thinking part of labor, must to a considerable degree stay in an industry. Years of training and study have stored up specialized knowledge of little use in another industry. Executives in the steel business and engineers in the public utilities cannot change places with men of other industries without a great loss in efficiency and earning power. So it may be stated as an axiom that the brains element of industry is less fluid than the capital and labor elements. The brains element uses the capital to furnish labor with tools, etc., with which to turn out the product. It designs, invents, discovers and improves the products and is the one element which leaves the finger prints and even the photograph of its creator on the product. Any change in labor or capital will effect no physical change in the product. The slightest change in the brains of an industry is reflected at once in the class of the product turned out. Brains plan for economy of production and the utilization of waste products. It is equally as important as labor in the production world. It is now unorganized and subject only to the laws of supply and demand, except as those natural laws are retarded by the lack

of fluidity inherent in this element of industry.

Labor, which includes that portion of each individual which functions automatically under the direction only of the five senses, is fluid to an extent depending how little the individual knows about his work. Thus the ignorant laborer can jump daily from one job to another without much loss in efficiency or earning power, while the skilled mechanic is tied to his trade and often to a specialized line of work in his trade as much as are the company engineers, but not as much as a company executive. The apportionment of the cost of industry to labor should take into account the double function of those laborers who exercise their hands and their heads. Thus we would expect labor to receive two rewards, one based on physical effort, or time put in, and the other, based on mental productivity. Wages would compensate for both as evidenced by the higher pay for skilled mechanics.

Reviewing our premises and our definitions we would expect the natural laws to prevent too much capital and too much labor from accumulating in a given kind of industry. Seldom, short of the millennium will we find too much brains in any industry. We do find shortages of capital in public utilities, as evidenced by the manner in which so many follow rather than precede community growth. Labor shortages exist as a rule in all industries at about the same time, due to the fluidity of this element.

Capital must flow into industry as needed to increase the capacity of the plants. The amount of capital required will vary with the needs in all unregulated industries. In regulated industries, among which are public utilities, great care must be exercised to avoid restricting the flow of capital by allowing too low rates for the service rendered. In unregulated industries capital can usually be depended upon to regulate its own flow. Interest must be allowed to capital in both classes of industry. The cost of industry should always include the interest charge or the wages of capital. In unregulated industry the interest charge will be dependent upon the security of the investment. Some industries should pay capital quite a high wage on account of the insecurity of the investment, due to a number of reasons, including unknown demand for the products, type of product, pending patent litigation, etc. The market price of the bonds of an industry are an indication of the security and point to a definite interest rate which should be included in the cost of operation.

(Continued next issue)

Telephone Douglas 5114

## Valley Tie & Lumber Co.

Manufacturers and Wholesalers

### Pacific Coast Lumber Products

General Office: Eugene, Oregon

S.F. Office: 401 Balboa Bldg.

F. S. NOLAND, Resident Manager

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock  
Doors, Sash Frames and Mouldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member

Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLCH  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL MAPLE  
OREGON MARLBURN OAK  
QUARTERED OAK  
WYBROOK BENDING OAK  
POPLAR-WALNUT



BORWICK-EBONY-IRONBARK  
JENISER-ROAL-SPANISH CEDAR  
LIGNUMVITAE-MAHOAGANY  
ROSEWOOD-TEAK-RED BEAN  
SPOTTED SUE-STRICKLAND  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
BOWELS-TRIMMINGS-DOORS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUIT, Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

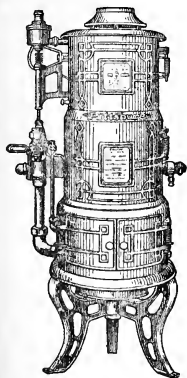
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., November 12, 1919

Published Every Wednesday  
Nineteenth Year, No. 46



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market

Fine and Sanitary PLUMBING

**Frank J. Klimm**  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill.	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago	TREASURER
C. E. DRAYER	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng., Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry. Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co.	THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles.....	W. P. R. R.
F. Johnston.....	Union Const. Co.
L. D. Howland.....	C. C. Moore Co.
I. G. Grundel.....	Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown.....	S. P. R. R.
E. B. Crane.....	C. M. & P. S. Ry.
P. J. Rowell.....	I. C. C.

### COMPENSATION COMMITTEE

G. M. Nelson.....	Consulting Eng.
E. V. Vandercook.....	S. P. R. R.
W. T. Cleland.....	
Chief Dep. Sur. Santa Clara Co.	
V. D. Cousins.....	P. T. & T. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp.....	S. P. R. R.
EMPLOYMENT REPRESENTATIVE	

### MEMBERSHIP COMMITTEE

F. J. Amweg.....	Consulting Eng.
D. L. Reynolds.....	Pac. Fruit Ex. Co.
J. Amweg.....	Consulting Eng.
W. H. Rupp.....	S. P. R. R.
E. D. Brown.....	Redwood Mfrs. Co.
Clarence D. Stone.....	S. P. Co.
A. B. Hartley.....	S. P. Co.
H. W. Shrieber.....	City of Oakland
F. E. Gelbel.....	S. P. Co.
C. E. Newberry.....	Inter. Com. Com.
J. F. Johnston.....	Union Const. Co.
E. V. Vandercook.....	S. P. Co.

### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.
W. S. Wollner.....	N. W. P. Co.

### QUALIFICATION COMMITTEE

W. H. Phelps.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.

### PUBLICITY COMMITTEE

E. D. Brown.....	Redwood Mfrs. Co.
G. M. Nelson.....	Consulting Eng.

### POLITICAL COMMITTEE

E. H. Herbert.....	Oliver Mfg. Co.
--------------------	-----------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHAPTERS & CLUBS:

### SACRAMENTO CHAPTER

Lathrop, H. A.....	Secretary
1321 Thirty-third St.	
Sacramento - - -	California

### LOS ANGELES CHAPTER

Harris, A. L.....	Secretary
1104 Central Building	
Los Angeles - - -	California

### PORTLAND CHAPTER

Barnes, R. W.....	Sec. & Treas.
36 Union Station	
Portland - - -	Oregon

### FRESNO CHAPTER

Jean L. Vincenz.....	Secretary
P. O. Box 922	
Fresno - - -	California

### SAN DIEGO CHAPTER

Grumm, Fred.....	Secretary
289 Spruce Street	
San Diego - - -	California

### SAN BERNARDINO CLUB

Woods, M. A.....	Secretary
608 Tenth Street	
San Bernardino - -	California

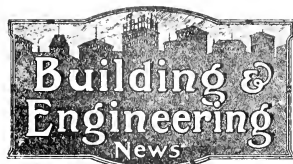
### EUREKA CLUB

Howard, F. W.....	Secretary
Eureka - - -	California

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
560 Mission Street.  
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## HIGHWAY MAINTENANCE.

V.

By G. M. N.

The following survey of actual highway conditions emphasizes the wide discrepancy between the length of the life of the road surfaces and the length of the life of the bonds, a discrepancy that mitigates not only against the taxpayer but also against the taxee, as there will be no more fat bond issues to divide between parties interested, but only a lot of mistrust on which nobody can grow fat, not even a one-horse contractor with a concrete mixer bought on the installment plan and his cement furnished by the State. Forty-year bond money spent on roads that only last ten years don't look very good to the fellow who has got to foot the bills especially if he is the man who has got to depend on the roads for getting his products to the market.

Notes on Conditions of State and County Highways. Oakland to Riverside via San Joaquin Valley and return via Coast Road, October, 1919.  
Types, U. C.—Unsurfaced Concrete O. M.—Oiled Macadam.  
P. C.—Protected Concrete W. B. M.—Water Bound Macadam.

Mile	Construction	Age	Condition	Traffic	Remarks
00.0	Sheet Asph				Oakland.
10.0	Bit on conc	2	Good		
14.0	U. C.	2	Center joint rut't'g		County highway out of Haywards.
15.0	O. M.		Rough		Castro Hill.
16.5	O. M.		Rough		Castro Hill.
20.0	O. M.		Poor condition.		
21.5	Topeka		10% defective		4' Asph conc. Being repaired by State.
24.0	Topeka		Good		Dublin Road O. K., where properly drained.
24.0	U. C.	2	O. K. ex cracks		
26.7	U. C.	2	Crushed across		Badly shattered.
27.8	U. C.	2	Crushed across		Badly shattered.
28.0	U. C.	2	shattered, wavy		
33.0	Bit on conc	4	First class		Livermore.
34.9	Bit on conc	4	First class		End of Bit.
40.					Waste land.
50.0	O. M.		Poor	90	San Joaquin Co. Highway.
54.0	O. M.		Fair		Tracy.
55.0	O. M.		Poor		Being destroyed by irrigation.
60.0	O. M.		Rough		
70.0	O. M.		Fair, wavy at edge	80	Sandy soil.
75.0	O. M.		Good		
76.0	A. C.		Poor		500' A. C. reinforced with wire mesh. Bridge at Ripon.
76.5	P. C.	5	O. K. to Modesto		
80.0	P. C.		5		
90.0	Topeka	5	O. K.		Conc. resurfaced with Topeka.
100.0	Topeka	5	O. K.		From Modesto to Turlock.
110.0	P. C.	6			
120.0	P. C.	6			
125.6	P. C.	6			Merced.
130.0	P. C.	5	shattered across at 1000'	60	Cattle country.
140.0	P. C.	5	shattered across at 1000'		Cattle country.
141.0	P. C.	5			Vineyards.
143.0	P. C.	5			Chowchilla.
147.0	O. M.		Good condition		
151.0	O. M.		Good condition		Berenda—grazing land.
157.0	Bit				
158.0	Bit		O. K.		Madiera.
159.0	P. C.	6	Rough & patched		
165.0	P. C.	6	Frequent holes — rough		Cattle country.

## NEWS FROM NATIONAL HEAD-QUARTERS.

With arrangements made for the largest sales organization that ever sold an engineering commodity, the American Association of Engineers announces a membership drive during the first two weeks of December. There will be nine thousand salesmen, ninety branch sales offices, and four district sales offices. That summarizes the sales organization of A. A. E. If every salesman makes a sale, that is nine thousand sales; if every branch office turns in one hundred applications, that will be nine thousand more.

The method to be employed is similar to that used in obtaining subscriptions to the Liberty Bonds.

The ninety clubs and chapters will divide their members into membership teams, each with certain territory to cover, and under the supervision of a team captain. The drive will be handled for each chapter by a drive commander who will keep in direct touch with the national headquarters of the Association by telegraph. He will make telephone reports of the number of applications obtained each day. A force will be maintained at the national headquarters to tabulate the returns and to advise the chapters of their standings.

For the purpose of competition chapters and clubs will be divided into two groups: those having more than one hundred members at midnight on December 13th, when the drive ends, and those having less than one hundred members on that date. A special gavel will be presented to the chapter of club in the latter group which has the greatest percentage of increase of membership during the drive. Of the chapters having one hundred or more members at the end of the drive, official A. A. E. colors will be presented to the one that has obtained the greatest percentage membership increase during the drive.

The three members securing the greatest number of applications between the first and thirteenth of December, inclusive, will be awarded respectively a life membership in A. A. E., a collection of books to the value of \$100, and a watch of the value of \$50. The captain of the membership team in each chapter or club which obtains the greatest number of applications of all the teams in that chapter or club will be awarded a solid gold, engraved, A. A. E. watch fob. Individual chapters and clubs may award special prizes to their members.

169.0	P. C.	6 Good	00 San Joaquin River—Fresno Co. line
170.0	P. C.	6 Good	80 Wheat lands—sheep.
180.0			100 Fresno.
183.0	Topeka	5 Deeply rutted	100 Surfaced 1917.
185.0	P. C.	5 Peeling off	100 1' rock and oil recently applied.
188.0	P. C.	5 Peeling off	100 1' rock and oil recently applied.
190.0	P. C.	5 Good	100 New resurfacing.
190.5	Bit	5 O. K.	Fowler.
191.5	Bit	5 O. K.	
196.0	U. C.	5 Needs surfacing	90 Selma.
202.0	U. C.	5 Cracked as usual	90
207.0	U. C.	3 Good	80 Traver—Alkali waste land graz.
210.0	U. C.	3 Good	70 Waste land.
215.0	U. C.	3 Good	70 Goshen.
223.0	U. C.	4 Cracked	80 Visalia—orchards.
225.0	Bit	1 Perfect	80 Vineyards—Tulare Co. Highway
235.0	Bit	2 Perfect	80 Oranges—Exeter.
243.0	Bit	2 Perfect	80 Lindsay—oranges.
250.0	Bit	2 Perfect	75 Strathmore.
255.0	Bit on conc	2 Perfect	80 Porterville.
262.0	Bit on conc	2 Perfect	75 Terra Bella.
267.0	Bit on conc	1 Perfect	70 Ducore.
270.0	Bit on conc	1 Good	70 Seal coat not perfect.
276.0	Bit on conc	1 Good	70 Tulare County Line.
276.1	O. M.	3 1' of sand on surf.	60 Sand protection—waste land.
280.0	O. M.	3 1' of sand an surf.	60 Kern Co. Highway—hard driv-
			ing—dangerous.
284.0	P. C.	4 Fair	60 State Highway.
285.0	P. C.	4 Fair	60 State Highway—Detour acc't. repairs
290.0	P. C.	Dirt 285-290, Fair	70 Peeling.
291.0	P. C.		70 McFarland.
297.0	P. C.	Good	70 Famoso—waste land.
305.0	P. C.	Good	80 Lerdo.
317.8	Paving		90 Bakersfield.
320.0	Topeka	Going to pieces	90 1' thick.
320.5	P. C.	Good, some crush'g	75
330.5	U. C.	Cracked 10' int'ls.	75 Cattle country.
335.0	U. C.	Rebuild soon	
		Badly shattered	70 Cattle country—sandy.
341.0	U. C.	Fair condition corner breaks, cracks	Cracked across about every 1/4 mile—5 years to live.
350.0	U. C.	End of "Ridge" paving	Tejon Pass.
354.0	Oil gravel	Very rough	Tejon Canyon.
358.0	Oil gravel	Very rough	Lebec.
360.0	P. C.	New, good condit'n	50
370.0	Dirt	Detour	Highway closed.
381.0	Hardpan		Necnatch—waste land.
390.0	Hardpan		Fairmount—waste land.
397.0	Hardpan		50 Elizabeth Lake—waste land—desert.
409.5			The summit—desert.
411.0	Natural	Rough—dusty	Larkin.
420.0	P. C.	Good condition	180 Sangus.
431.0	Oil'd gravel	Fair	
440.0	O. M.	First class	80 Sylmar
443.0	O. M.	First class	90 San Fernando.
449.0	O. M.	First class	90 Roscoe.
450.0	O. M.	Rough	90 440-450 part of old L. A. County Highway system; well maintained.
453.0	O. M.	Fair	100 Burbank.
457.0	O. M.	O. K.	100 Tropico.
460.0	Asph on mac	4 Poor	100 Ventura Ave., L. A. limits.
465.0	Asph	O. K.	L. A. City Hall.
470.0	Asph	O. K.	Los Angeles.
480.0	O. M.	3 Good, newly rep.	60 L. A. County Highway.
485.5	O. M.	Good	Resurfaced for 30.4 miles.
487.0			Whittier.
490.0	O. M.	Good surface	
498.0	O. M.	Good surface	Puente.
500.0	P. C.	Good surface	Valley Blvd.
505.0			Walnut.
510.0	O. M.	Being scarified	Spadra Quarry.
510.4	Sheet Asph	O. K.	Pomona.
520.0	P. C.	Looks poor	Ontario—Riverside road.
528.0	P. C.		Riverside County Line.
530.0	P. C.	Edges patched	
535.0	O. M.		Riverside.

Forty observations of concrete roads, of which 29 show defects serious enough to be noted. In my opinion the concrete highways enduring a traffic of 80 to 100 will require reconstruction before they are ten years old; many before they are five years old.

The referee of the drive is Isham Randolph, consulting engineer of Chicago.

With a membership of almost 8500 at the end of October, it is probable that the American Association of Engineers will easily pass this year the ten thousand membership mark which was set last spring as a goal for 1919.

We desire to call the attention of the technical press to a new item released on October 29 by the National News Service reading as follows:

WASHINGTON, Oct. 29—Declaring that high officials of the American Federation of Labor are responsible for "tendencies to threaten the foundations of the government of the United States," a union of draftsmen employed in the Treasury Department has today withdrawn from the American Federation of Labor. The movement is part of a general campaign to secure withdrawal of all government employees unions.

The Northwest Society of Highway Engineers voted unanimously on October 10 to affiliate with the American Association of Engineers. The vote was informal. After the constitutional amendments which are required are made the affiliation can be formally consummated. It is expected that an amalgamation will be possible in January.

The Southwestern Society of Engineers, of which Dean C. M. Butler of the University of Arizona is president, has recently decided to affiliate with the American Association of Engineers. The vote was unanimous with the exception of one member who cast a negative vote. The Southwestern Society has been extremely active in engineering matters and has been recognized for a number of years as the foremost engineering society in its territory. Its membership totals about 160 engineers.

At a meeting on October 30, 1919, the Cleveland Chapter of the American Association of Engineers listened to addresses by three candidates for the mayoralty of the city of Cleveland, and by C. J. Neal, finance director of the city of Cleveland, who spoke in behalf of the Republican administration. There was a large attendance from both the chapter and the railroad sections whose headquarters are in Cleveland.

It is interesting to note that the membership of the American Association of Engineers is being increased by applications from every state in the Union, rather than from any particular locality. The following list shows the cities and states which are credited with ten or more applications during the first thirty days of October:

Chicago, 87; New York City, 69; Washington State, 56; San Francisco, 49; Portland, 48; Pittsburgh, 48; Arizona, 42; Butte, 35; St. Paul, 33; Lincoln, Nebraska, 31; Idaho, 29; Columbia, Missouri, 20; Ada, Ohio, 20; Dallas, 17; Springfield, Mo., 13; Columbus, Ohio, 13; Buffalo, 11; Parsons, Kansas, 10; Angola, Indiana, 10; Wyoming, 10; Oklahoma, 10.

(Continued on Page 22.)

# ADVANCE NEWS

Official Proposals, Etc.

## BUILDING.

### APARTMENT HOUSES

To Be Done by Days Work.

**APARTMENTS** Cost, \$25,000  
**STOCKTON**, San Joaquin Co., Cal.  
Three-story brick and frame (24) apartments.

Owner—W. E. Fretheway, 421 N-Stanislaus St., Stockton.  
Contractor—Walter King, Call Bldg., San Francisco.

Construction to be started in early Spring; Plans Being Prepared.

**APARTMENTS** Cost, \$150,000  
**RENO**, Nevada. Adjoining Elks Home on First Street.

Six-story and basement brick and terra cotta apartments (90 x210) 101 apartments, 84 2-room and 17 3-room apartments.

Owner—Apartment Investment Co., Reno, Nevada.  
Architects—Ferris & Malsbary, Reno, Nevada.

The building will be erected on the lines of the Stanford Court apartments in San Francisco. The structure will have an exterior finish of pressed brick. The two-room apartments will contain a large living room with wall bed, a small private hall, a large dining room, a bath room opening off the hall, a buffet and an electrically equipped kitchenette with automatic electric range. The three room apartments will be equipped in the same manner except that there will be a living room and two wall beds.

Working Drawings Being Prepared.

**APARTMENTS** Cost, \$200,000 or more  
**SAN FRANCISCO**. Steiner Street and Pacific Avenue.

Seven or eight-story Class "A" apartment house (2 apts. on each floor).  
Owner—Kittie Estate.  
Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

## BANKS

Plans to Be Prepared.

**ALTERATIONS** Cost, \$ —  
**STOCKTON**, San Joaquin Co., Cal. N-Hunter and Main Streets.  
Extensive alterations for bank (alter adjoining stores into banking rooms).

Owner—Bank of Italy.  
Architect—Wm. A. Newsom, 5th Floor, Bank of Italy Bldg., San Francisco

## BONDS.

**MARYSVILLE**, Yuba Co., Cal.—November 24th is the date set by the Marysville High School District to vote bonds of \$294,000 with which to erect a new high school building and improving the present grammar school and installing equipment in same. The high school will cost about \$250,000.

The high school will be erected on a

block bounded by Tenth and Eleventh and H and I Streets.

Plans for the building are being designed by Architect W. H. Weeks, 75 Post Street, San Francisco.

**IMPERIAL**, Imperial Co., Cal.—An ordinance has been introduced in the City Council calling an election to vote on issuing bonds in blocks of \$25,000, \$25,000 and \$20,000 to resurface paved streets and to lay new macadam to connect city streets with county and state highways.

**OREGON CITY**, Ore.—Clackamas County will hold a special election, November 24, to vote upon a proposed bond issue of \$1,700,000 for the paving of 145 miles of road. The proposal to issue \$150,000 in bonds for the construction of a new bridge across the Willamette river at Oregon City will be held later. The bond issue provides that \$105,000 shall be diverted for a new bridge, but the balance of the \$1,700,000 must be used on county roads, radiating into nearly every part of Clackamas County.

**FRESNO**, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to November 15th, 10 A. M., for the purchase of the \$150,000 bond issue of the Fowler Union High School District. Proceeds of the sale will finance construction of a new high school building, plans for which are being prepared by Architects Allison & Allison, Hibernian Bldg., Los Angeles.

**EL CENTRO**, Imperial Co., Cal.—The Blankenhorn-Hunter syndicate of Los Angeles was awarded \$1,500,000 bonds of the Imperial Irrigation District at 95.15c on the dollar. The remaining \$1,000,000 bonds will not be sold until the bond market is better.

**BAKERSFIELD**, Kern Co., Cal.—A bond issue for \$150,000 is advocated to construct an addition to the present high school building, which is overcrowded. The present school has a capacity of 600, while the attendance is nearly 900.

**RENO**, Nevada.—A resolution providing for a bond issue of \$200,000 with which to finance the improvements of streets has been passed by the Reno City Council.

**BRAWLEY**, Imperial Co., Cal.—The \$125,000 bond issue to provide for extensions and improvements to the City water system carried at the special election. Larger mains will be laid, additional fire hydrants will be placed and a new tank tower will be constructed. Geo. B. Wade, City Engineer.

**BEND**, Ore.—To secure a \$10,000,000 bond issue for the construction of railroad lines from Bend to Klamath Falls, from near Silver Lake to Lakeview, from near Millican to Crane, and from this line to Burns and Nar-

rows, the Oregon, California & Eastern Railway Company placed on file in the county clerk's office here a trust deed in favor of the Portland Trust Company, covering all the property which the company now possesses or may acquire.

**PRINEVILLE**, Ore.—Petitions are being circulated asking the calling of an election to vote bonds of \$220,000 with which to build a permanent highway system for Crook County. The county, at the present time, has \$100,000 already in highway funds, this to be added to the bonds voted.

**ABERDEEN**, Grays Harbor Co., Wash.—A \$1,200,000 county road building program, in addition to projects already planned amounting to \$4,000,000 is advocated by the Aberdeen Chamber of Commerce. The committee asked \$300,000 for the Aberdeen and Hoquiam projects, including the intercity road between the two cities.

**TULARE**, Tulare Co., Cal.—An election to vote bonds of \$90,000 with which to erect a municipal auditorium building failed to carry.

W. C. Perry and G. B. Sturgeon, Newhall Bldg., San Francisco, are the architects.

**YUBA CITY**, Sutter Co., Cal.—November 22nd is the date set by the County Supervisors for receiving bids for the purchase of \$730,000 worth of county highway bonds with which to finance highway improvements.

The Supervisors have not yet agreed on the type of roads to be built.

**LODI**, San Joaquin Co., Cal.—Bids will be received by the City Trustees, H. S. Clark, City Clerk, up to November 24th, 8 P. M., for the purchase of \$7,999.90 worth of street improvement bonds.

**LIVERMORE**, Alameda Co., Cal.—Bonds of \$10,000 with which to purchase fire fighting equipment were voted here recently. The purchase of a motor fire engine, costing \$10,000, and the installation of a modern fire alarm system, costing \$4,000, is also planned. The fire alarm system will be financed from a surplus in the city treasury.

**PARADISE**, Butte Co., Cal.—An election will be held in the Paradise Irrigation District, November 18th, to decide the question of issuing and selling bonds of \$140,000 with which to complete the Paradise Irrigation District.

**SACRAMENTO**, Cal.—Bids will be received by City Treasurer W. E. Holmes up to November 25th, for the purchase of the \$1,800,000 bond issue which will finance construction of a filtration plant for this city. M. J. Desmond is City Clerk of Sacramento.

**MADERA, Madera Co., Cal.**—The \$100,000 high school bond issue has been sold to E. H. Rollins & Sons, who offered a premium of \$2,130. Eleven bids were submitted for the issue.

Proceeds of the sale will finance construction of a new high school building, plans for which have been prepared by Architects Swartz & Swartz, Rowell Bldg., Fresno.

**SAN DIEGO, Cal.**—The Board of Education has decided to call an election in December to vote on issuing \$1,100,000 bonds to erect two junior high schools and additions to existing grade schools.

**LONG BEACH, Los Angeles Co., Cal.**—Bonds in the sum of \$150,000 for erecting an auditorium at the Polytechnic High School and \$290,000 for erecting new buildings and additions to grammar schools were voted.

## CHURCHES

**Plans Being Prepared.** Cost, \$100,000  
**CHURCH**  
**ALAMEDA.** No. 1913 San Antonio Ave. Reinforced concrete church (Mission style).  
Owner—St. Joseph's Catholic Church, (Rev. J. B. Praught, Pastor).  
Architects—W. D. Shea and Henry A. Minton, 244 Kearny St., San Francisco.

**Plans Completed.** Cost, \$75,000  
**ADDITION**  
**SEATTLE, Wash.** Lots 29 and 30 Block 13, University Park (Seventeenth Avenue, N. E.)  
Addition to brick church building, 83 x 80.  
Owner—Third Church Christ Scientist, Architect—Geo. Foote Dunham, Portland, Oregon.

## Factories and Warehouses. COURTHOUSES

**Plans Being Prepared.** Cost, \$250,000  
**WAREHOUSE, ETC.**  
**SAN JOSE, Santa Clara Co., Cal.** North First Street adjoining S. P. Railroad.  
Two-story and basement reinforced concrete cold storage and warehouse buildings.  
Owner—Security Warehouse & Distributing Co., J. Q. Patton, Mgr., 14th and Keys Sts., San Jose.  
Designer and Engineer—Jas. T. Ludlow, 604 Mission St., San Francisco  
Plans will be completed in about a month, at which time figures will be taken.

**Plans Being Prepared.** Cost, \$—  
**FACTORY**  
**LOS ANGELES, Cal.** No. 610 San Fernando Road.  
Two-story reinforced concrete factory, 95x29.  
Owner—Matthew Paint Co.  
Architect—Richard D. King, 519 Van Nuys Bldg., Los Angeles.

**Contract Awarded.** Cost, \$16,000  
**WAREHOUSE**  
**FRUITVALE, Alameda Co., Cal.**  
One-story portable steel warehouse.  
Owner—California State Highway Commission, Forum Bldg., Sacramento.  
Architects—Owners.

**Contractor**—Truscon Steel Co., 549 10th St., San Francisco.

**To Be Done by Days Work.**  
**BOILER HOUSE, Cost, \$12,000 and CANNERY, Cost, \$100,000**  
**OAKLAND, Alameda Co., Cal.** NW 12th and Pine Streets.  
Two-story reinforced concrete boiler house, \$12,000; and two-story reinforced concrete cannery, \$100,000.  
Owner—Pacific Coast Canning Co., Premises.  
Architect—Owner.

**VISALIA, Tulare Co., Cal.**—The Board of Directors of the California Prune and Apricot Growers' Association at a recent meeting decided to erect a \$100,000 packing plant in this city. It is planned to have the structure completed by July of next year. Several sites are now under consideration.

Officials of the Association are: T. S. Montgomery, President; H. C. Dunlap, Secretary; Irvin E. Pomeroy, Chairman of the Board of Trustees; Directors—Arthur Swall, A. Kameron, and W. J. Fulgham, and Guy W. Smith, District Manager.

**MODESTO, Stanislaus Co., Cal.**—A permit has been granted by the City Council to the Modesto Gas Company, Frank A. Cressey, President, to make improvements on its present plant costing \$74,450, the work segregated as follows:

Gas plant building.....	\$ 2,000
Gas holder .....	47,000
Boiler and accessories.....	7,750
Gas generators .....	9,000
Purification apparatus .....	6,000
Accessory equipment.....	1,700
Water plant equipment.....	1,000

**Contract Awarded.** Cost, \$—  
**PACKING PLANT**  
**MODESTO, Stanislaus Co., Cal.** Crows Landing Road.  
Two-story brick and concrete packing plant, 60x100.  
Owner—The Modesto Packing Co., Modesto.  
Architect—Not Given.  
Contractor—John D. Carlson, Turlock.

**MODESTO, Stanislaus Co., Cal.**—Bids will be received by H. Benson, County Clerk, up to November 25th, 10 A. M., for the construction of a galvanized iron warehouse at the NW corner of the County Hospital Lot.  
Certified check of 10% must accompany each bid.

**Contract Awarded.** Sub-Bids Being Taken.  
**CANDY FACTORY** Cost, \$70,000  
**SEATTLE, Wash.** SE Westlake Ave. and Mercer St.  
Four-story concrete candy factory, 60 x 108.  
Owner—Koenig Candy Co., Seattle.  
Engineers & Contractor—Wotten Construction Co., Pantages Bldg., Seattle.

The contractors are now receiving quotations on an elevator, plumbing and heating, electrical work, roofing and sheet metal work and all building materials.

**Plans Being Figured. Bids Close Nov. 26, 1919.**  
**DOCK, ETC.** Cost, \$150,000  
**SEATTLE, Wash.** Smith's Cove.  
Two-story heavy timber dock—500 feet of east transit shed, 500x118, including freight elevator, 24x10 ft. Owner—Port of Seattle Commission.  
Engineer—Geo. Nicholson of the Port of Seattle Commission.

**PHOENIX, Ariz.**—The \$500,000 plant of the Arizona Packing Co., now under construction on the Tempe road 4 miles from Phoenix, will require 115 cars of crushed rock, 115 cars of sand, 65 cars of hollow tile, 35 cars of cement, 15 cars of lumber, 13 cars of cork insulation, 9 cars of reinforcing steel, 5 cars structural steel, and 20 cars of machinery. The main building will be 3 stories, 86x166 feet. All structures will be reinforced concrete.

## FLATS.

**Contract Awarded.** November 8, 1919.  
**FLATS** Cost, \$30,000  
**LOS ANGELES, Cal.** Rampart Blvd. near 1st Street.  
Two frame and plaster flat buildings (4 flats of 6 rooms each).  
Owner—Jessie D'Arche.  
Architect—L. A. Smith, 621 Investment Bldg., Los Angeles.  
Contractor—Lilly-Fletcher Co., 621 Investment Bldg., Los Angeles.

## GARAGES

**Figures Being Taken for Reinforced Concrete Work.** Cost, \$—  
**GARAGE**  
**SAN FRANCISCO.** Fifth and Howard Streets.  
Three-story and basement reinforced concrete garage, 150x155.  
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.  
Architect—Wm. Knowles, Hearst Bldg., San Francisco.  
(30339) 1st report Nov. 4, 1919.

**Contract Awarded.** Cost, \$55,000 to \$60,000.  
**GARAGE, ETC.**  
**SAN FRANCISCO.** N California Street between Leavenworth and Hyde.  
Two-story reinforced concrete garage and auto sales rooms, 100x137-6.  
Owner—John Kingston, 320 Pierce St., San Francisco.  
Architect—Milton Clark, Honolulu.  
Contractor—American Concrete Co., 785 Market St., San Francisco.

**Contract Awarded. Work Started.** Cost, \$—  
**AUTO PAINTING SHOP** Cost, \$—  
**MARYSVILLE, Yuba Co., Cal.** "F" St. bet. 4th and 5th Streets.  
One-story auto painting shop, 40x80.  
Owner—Thos. Matthews.  
Lessee—O. H. Martin and Arthur Schumacher, Yuba City.  
Architect—Not Given.  
Contractor—McDaniel & Burroughs, Marysville, Cal.

**To Be Done by Days Work.** Cost, \$—  
**GARAGE**  
**FRESNO, Fresno Co., Cal.** Van Ness Avenue, bet. Kern and Inyo Sts.  
One-story and basement reinforced concrete garage.  
Owner & Architect—Pritchard Bros., 623 Fergus St., Fresno.

NOTE:—The owners are contractors and will handle the construction of the building themselves.

## GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—The following bids were received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for furnishing the material for and erecting a radial brick chimney, 150 feet high and 10 feet inside diameter at the top, on a foundation provided by the Government, at the Navy Yard, Mare Island, Calif. Specification No. 4062.

M. W. Kellogg, 90 West St., New York, \$10,228.

Alphons Custodis Chimney Constr. Co., New York, \$10,982.

Rust Engineering Co., Washington, D. C., \$12,111.

WASHINGTON, D. C.—The following bids were received by the Supervising Architect Jas. A. Wetmore, at Washington on November 3rd for the construction of the United States Post Office, Court and Custom House at Honolulu, Hawaii, from plans by Architects York & Sawyer, 50 East 41st Street, New York, N. Y.:

Campbell Bldg. Co., Salt Lake, Utah, (1) \$1,056,500; (2) \$115,900.

Hawaiian Construction Co. (1) \$1,137,000; (2) \$148,000.

NAVY DEPARTMENT, Office of the Chief of the Bureau of Yards and Docks, Washington, D. C.—Sealed bids are wanted until November 19 1919, specification 4034, for marine medical and supply officers' quarters at San Diego Calif. Estimated cost, \$21,000. Deposit for plans required \$10. For further information address as above.

PANAMA CIRCULAR 1314.—Panama Canal, Office of the General Purchasing Officer, Washington, D. C.—Bids are wanted until November 21, 1919, circular 1314, for furnishing wrought iron pipe, brass tubing, steel desks, metal polish, leather belting, canvas, steam packing, white lead, tuscan red, twine, cargo check books, linen tags, tagboard and cover paper. For further information address A. L. FLINT, General Purchasing Officer.

Copies of the above circulars, with the exception of Circular No. 1314, may be seen at the office of the Daily Pacific Builder, 560 Mission street, San Francisco.

SEALED PROPOSALS, Indorsed "Proposals for Central Building, Industrial Group, San Diego, Calif., Specification No. 4047," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 2 o'clock P. M., November 19, 1919 and at the office of the Public Works Officer, Twelfth Naval District, South of San Francisco Bay, Timken Building, San Diego, Calif., until 11 o'clock A. M., November 19, 1919, and then and there publicly opened, for a one-story central building having a floor area of about 30,000 square feet and consisting of power house at center and "L" shaped east and west wings, for housing various utilities, at the Marine Corps Base, San Diego, Calif. The building will have reinforced concrete foundations on con-

crete piles; reinforced concrete columns, floors, and roof slabs; steel trusses and purlins; brick and hollow tile walls and partitions; plastered interior and stuccoed exterior wall surfaces; built-up and tile roofing; suspended metal ceilings; skylights and louvers; wood doors; steel sash and wood sash; complete plumbing; heating and electric lighting and power systems; and a radial brick chimney 125 feet high. Drawings and specification No. 4047 may be obtained on application to the Bureau, to the Public Works Officer named, or to the Commandant, Twelfth Naval District, Sheldon Building San Francisco, Calif. Deposit of a check or postal money order for twenty dollars (\$20.00) payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification within five days after the award of the contract. C. W. PARKS, Chief of Bureau. Estimated cost, \$150,000.

SAN DIEGO, Cal.—There is now \$600,000 available for construction of additional permanent buildings at the North Island naval air station. This money will be used to erect two concrete hangars, each 600x400 ft., a power house, laundry, bakery, bathhouse, an emergency pier and three additional permanent shops and one large storehouse. The hangars will have marine railways to facilitate the launching of seaplanes. A concrete seawall will also be erected on the north side of the island. Three more dirigible hangars are also to be erected one 700 feet long, and the other 450 feet. An aircraft storage depot covering an area equal to two city blocks will be erected in San Diego, but the location has not been announced.

Plans Being Figured. Bids Close Dec. 3, 1919.

TRANSFORMERS, ETC. Cost, \$25,000  
MAIRE ISLAND, Cal.

Transformers, wires, cables, metal conduits, fittings, fixtures, reflectors, switches, receptacles, etc., for electric lighting and power system for Structural Shop, Specification 3982.

Owner—United States Government.  
Architect—Bureau of Yards and Docks

Navy Dept., Washington, D. C.  
Drawings and specifications No. 3982 may be obtained on application to the Bureau or to the Commandant, Navy Yard, Mare Island, Calif. Deposit of a check or postal money order for \$10.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification within five days after the award of the contract.

C. W. PARKS, Chief of Bureau.  
August 6, 1919.

## HOSPITALS

Permit Applied for. Contracts to be Awarded Shortly.

HOSPITAL. Cost, \$400,000.  
SAN FRANCISCO. NE Bush and Hyde. Six-story reinforced concrete Class "B" hospital.

Owner—St. Francis Hospital Co., Prem.  
Architect—A. J. Coffey, Humboldt Bank Bldg., San Francisco.

Contracts will probably be awarded

within 3 weeks to the lowest bidders as follows:

General Contractor—P. F. Reilly, \$74,800  
Concrete Work—Branch & Coffey, \$85,400

Plastering—J. Greenback, \$44,313.  
Grading—A. J. Reeder, \$19,990.

Plans Being Figured. Bids Close Nov. 24, 1919.

NURSES' HOME. Cost, \$—  
LOS ANGELES, Cal. Los Angeles County Hospital Grounds.

16 two-story nurses' home buildings, 98x30.

Owner—Los Angeles County.  
Architect—Not Given.

Plans and specifications may be obtained at the office of the Board, Hall of Records. Bids will be taken separately on the general contract, plumbing and steam heating, and electric work.

Plans Being Figured. Bids Close Nov. 21, 1919, 11 A. M.

HOSPITAL. Cost, \$20,000  
BENICIA, Solano Co., Cal. Benicia Arsenal.

One-story reinforced concrete hospital. Owner—United States Government.  
Architect—Architectural Department of Arsenal.

Plans may be obtained from Col. O'Hern at Benicia.

## HOTELS

Plans Being Figured. Bids Close Nov. 17, 1919.

ALTERATIONS. Cost, \$—  
MERCED, Merced Co., Cal. Seventeenth and "M" Streets.

Alterations and additions to two-story brick hotel (75 rooms and 75 baths).

Owner—Moran Estate.  
Architect—A. W. Cornelius, Merchants' National Bank Bldg., San Francisco.

Plans may be obtained from the Architect.

Ready for Figures Nov. 11th.

ALTERATIONS. Cost, \$20,000  
SANTA CRUZ, Santa Cruz Co., Cal. Pacific Avenue.

Alterations for hotel.  
Owner—Hotel St. George.

Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Plans will provide for altering the present stores on the ground floor; lobby; Western Union offices; parlors, and dining room, and on the upper floors, re-arranging the present rooms, additional baths, etc.

Other improvements will be new elevators, new wash rooms, lavatories, etc., on ground floor; refrigerating plant, oil plant, etc.

Segregated figures will be taken here and at Santa Cruz, beginning Tuesday.

## LIBRARIES.

NAPA, Napa Co., Cal.—The City Council has awarded a contract to the Pacific Gas & Electric Co., Napa Branch for installing a gas heating system in the Goodman Library at \$979.30.

The bid of Sampson-Ross Co., to install a wood and coal furnace for \$475 was not considered.

## PUBLIC BUILDINGS

**SAN FRANCISCO.**—Architect John Reid, Jr., First National Bank Bldg., has presented estimates to the Board of Public Works covering changes to be made on elevators owned by the City to make them comply with the Safety Commission laws. The changes will cost approximately \$13,047.

Plans Being Prepared. Contract Awarded.

**BANK BLDG.** Cost, \$300,000 or more **SAN FRANCISCO.** W. Montgomery St. bet. Post and Sutter, adj. First National Bank Bldg.

Two and three-story and basement Class "A" bank and office building. Owner—First Federal Trust Co. and First National Bank.

Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.

Contractor—J. E. Scully, Flood Bldg., San Francisco.

Foundations will be strong enough to carry about ten additional stories.

Figures are now being taken by the bank for wrecking the Lick Building. Sub-figures will be taken both by Mr. Scully and Mr. Gottschalk when plans are completed.

**MADERA.** Madera Co., Cal.—The City Trustees are planning the erection of a memorial building for the Madera Post, American Legion. It is planned to include quarters in the proposed structure for the City Hall, Chamber of Commerce and other public organizations.

No definite action was taken, but it is intended to discuss the selection of a site at the next meeting.

**SAN FRANCISCO.**—The Supervisors have appropriated funds to finance the preparation of plans and specifications for the construction of a convenience station at the Ocean Beach and a car for bids will be issued on approval of plans by the Board of Park Commissioners.

Plans Being Prepared. CITY HALL Cost, \$25,000 RENTON, Wash. Fireproof City Hall. Owner—City of Renton. Architect—R. M. Thorne, Renton.

**COLUSA.** Colusa Co., Cal.—Plans prepared by Architect Martin A. Sheldon, 110 Sutter St., San Francisco, San Francisco, for a municipal swimming tank were considered by the City Trustees at their last meeting. The tank, as planned by Architect Sheldon, would cost \$35,000.

Plans to be Prepared. HOME Cost, \$2,000,000

**MODESTO.** Stanislaus Co., Cal. Paradise Road 700-acre ranch known as Shrewd Young Ranch. Children's Home (Pacific Coast Mooseheart).

Owner—Loyal Order of Moose. Chas. A. McGee, Bank of Italy Bldg., Oakland, is Supreme Dictator. Architect—Not Selected.

Mr. McGee left today for New York, where he will meet with the supreme board of directors and plan for the coming to Modesto of the board to close the deal.

Contract Awarded. DEPOT Cost, \$10,000 GYSEYVILLE, Sonoma Co., Cal. Railroad depot. Owner—Northwestern Pacific Railroad Company. Architect—Not Given. Contractor—H. P. Vogensen, 600 5th St., Petaluma, Cal.

**SAN LUIS OBISPO.** San Luis Obispo Co., Cal.—The Board of Supervisors has ordered a committee composed of Supervisor Black, Loomis and Norton, to prepare plans, specifications and estimates of cost for repairs and painting of the County Courthouse, County Hospital and the erection of annexes to same.

F. J. Rodrigues is County Clerk.

ADDITION Cost, \$— OAKLAND, Cal. Lake Merritt. One-story frame addition to boat house Owner—City of Oakland. (Recreation Dept., City Hall.) Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland. C. Christensen & Son, 555 16th St., Oakland, submitted the lowest bid at \$5,100. All bids were referred to the City Attorney.

To be Done by Days Work. Foundation Started. COMMUNITY HALL Cost, \$— CROCKETT, Contra Costa Co., Cal. on State Highway. Frame community hall, 72x102. Owner—California Hawaiian Sugar Refinery, 230 California St., San Francisco.

Architect—Engineering Dept. of California-Hawaiian Sugar Refinery Company.

Assembly hall, 50x80, with stage, shower rooms, lockers, kitchenette, etc. Assembly hall will have hardwood floors.

## RESIDENCES.

Contract Awarded. BUNGALOWS Cost, \$— SANTA ROSA, Sonoma Co., Cal. SW 6th and "A" Streets. Four one-story frame bungalows with connecting corridors for hospital. Owner—The General Hospital. H. S. Gutermute, Santa Rosa. Architect—Wm. Herbert, Santa Rosa. Contractor—W. L. Proctor, 1000 Spring St., Santa Rosa.

November 3, 1919. BUNGALOW Cost, \$— SAN FRANCISCO. St. Francis Wood. One-story frame and plaster bungalow Owner—Miss Myrtle Coleman, Care 1. Magnin & Co. Architect—Henry H. Gutterston, 278 Post St., San Francisco.

Ready for Figures End of This Week. RESIDENCE Cost, \$12,000 SAN FRANCISCO. Sea Cliff. Two-story and basement reinforced concrete residence and tile terrace (6 rooms and 2 baths). Owner—Dr. A. Abrams. Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Contract Awarded. DWELLINGS Cost, \$3,500 each MERCED, Merced Co., Cal. 20th St. bet. 11 and I Streets.

Series of one-story and basement frame dwellings (5 rooms each). Owner—Merced Mutual Building & Loan Association. W. E. Landram, Promoter, Merced. Architect—Not Given. Contractor—Dempsey & Montgomery, Merced.

**SALINAS.** Monterey Co., Cal.—Owing to J. M. Chaney refusing to carry out his contract for the construction of the Superintendent's residence at the County Hospital, the Supervisors have rescinded their action in awarding the contract and have re-awarded same to J. H. Danforth, the next lowest bidder at \$3,175. (29957) 1st report Sept. 5; 3rd Oct. 9.

Plans Being Prepared. RESIDENCE, ETC. Cost, \$— SAN FRANCISCO. Lot 21 Blk 25, St. Francis Wood. Two-story frame residence and garage Owner—Fred Steinger. Designer and Contractor—Junk-Riddell Invst. Co., 2247 Telegraph Ave., Berkeley.

Contract Awarded. RESIDENCE, ETC. Cost, \$14,000 PIEDMONT, Alameda Co., Cal. Piedmont Highlands Long Ridge Blvd. Two-story frame residence and garage (12 rooms and 2 bathrooms). Owner—Mr. Lauffer. Architect—C. W. McCall, Central Bank Bldg., Oakland. Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.

Mr. Peterson submitted the lowest bid and will be awarded the contract after plans are modified to bring the cost down to approximately \$14,000.

To be Done by Day Labor. BUNGALOWS Cost, \$5,000 each SAN JOSE, Santa Clara Co., Cal. Naglee Terrace.

18 one-story and basement frame bungalows. Owner—F. B. Gilger. San Jose Bldg., San Jose. Construction will be undertaken on six buildings at a time. Architect—Chas. McKenzle, Bank of San Jose Bldg., San Jose.

Plans Being Prepared. BUNGALOWS Cost, \$— NAPA, Napa Co., Cal. Franklin and Randolph Streets. 15 one-story and basement frame bungalows. Owner—James Moore and W. S. Alexander, Napa, Cal. Architect—Not Given.

NOTE:—Structures on the site will be razed with the exception of six, which will be converted into modern residences.

Plans to be Prepared. RESIDENCE, ETC. Cost, \$— SAN FRANCISCO. St. Francis Wood. Two-story frame residence and garage. Owner—Dr. E. O. Whitney, 240 Stockton St., San Francisco. Architect—Henry H. Gutterston, 278 Post St., San Francisco.

Plans Being Prepared. RESIDENCE Cost, \$9,000 SAN FRANCISCO. Monterey Blvd. One-story and basement frame resi-



dence (7 rooms and garage).  
Owner—Miss Ida McCain.  
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

**SPECIFICATIONS**

Exterior Finish, cement plaster; Floors, hardwood; Grates, coal; Heating, hot air; Interior Finish, hardwood and white enamel; Tile, glazed.

Grading Contract. Figures to be Taken Shortly on Balance of the Work.

RESIDENCE Cost, \$35,000  
BERKELEY, Alameda Co., Cal. Near Hotel Claremont (Oak Ridge Lots 6 and 7).

Two-story and basement frame and plaster residence (10 rooms and 4 bathrooms).

Owner—G. A. Mattern.  
Architects—Louis M. Upton and M. Latham, 354 Montgomery St., San Francisco.

The excavating and grading contract has been awarded to The Oakland Paving Co. at \$3,500.

**SCHOOLS**

CHICO, Butte Co., Cal.—A dormitory building for the Chico Normal School Building—costing \$45,000, is planned under the formation of a company composed of Chico citizens. The erection of the building is made necessary owing to a shortage of hotels, dwellings and apartment buildings in Chico.

Among those interested in the proposed structure are: Principal C. M. Osenbaugh, W. J. O'Connor, Ben Crouch, A. G. Eames John Waterland, Dr. E. B. Copeland, Frank Morehead, F. J. Dean, Harry Moir, Mrs. Henrietta Compton, Mrs. L. V. Graves and Mrs. W. P. Lynch.

RED BLUFF, Tehama Co., Cal.—The Board of School Trustees has asked local firms to submit estimates on the installation of a modern oil burning system for heating the high school building, to replace the present coal burning system.

SACRAMENTO, Cal.—The following bids were received by W. F. McClure, State Engineer, on November 3rd for electrical work, plumbing and heating and ventilating for the main building of the Humboldt State Normal School at Arcata, Calif.

**Electrical Work.**

Turner Co., S. F. (low).....	\$6,840
F. Newbery Elec. Co., S. F.....	6,890
Ne Page-McKenny, S. F.....	7,248
Electrical Constr. Co., S. F.....	7,400
M. C. Ryan, S. F.....	7,525
Standard Elec. Constr. Co., S. F.....	7,729
Globe Electrical Co., S. F.....	8,598
Butte Elec. Equip. Co., S. F.....	8,728
Butte Elec. & Mfg. Co., S. F.....	9,475

**Plumbing, Heating and Ventilating.**  
Turner Co., S. F. (low).....\$29,280  
Scott Co., S. F.....30,835  
Herman Lawson, S. F.....31,449  
Arthur Hess.....31,650  
Carl T. Doel, Oakland.....33,582

SACRAMENTO, Cal.—The City Board of Education has received a recommendation from the Sacramento Chamber of Commerce urging the appointment of an engineer to supervise the erection of new schools and additions to the present buildings under the re-

cently voted \$3,064,000 bond issue. The matter will be considered at the next meeting of the Board. M. J. Desmond is City Clerk.

SANTA ROSA, Sonoma Co., Cal.—The Board of Education is considering the erection of fire escapes on several of the school buildings. No definite action has been taken in the matter, but as the escapes are considered a necessity it is probable that an early decision will be rendered.

WASHINGTON, W. C.—The House has passed and sent to the Senate a bill which would authorize the town of Ketchikan, Alaska, to issue bonds amounting to \$100,000 for the construction and equipment of a school building.

Contract Awarded.  
SCHOOL Cost, \$48,602  
HERMOSA BEACH, Los Angeles Co., Calif.

School.  
Owner—Hermosa Beach School District  
Architect—H. Howard, 619 Broadway Central Bldg., Los Angeles.  
Contractor—W. M. Bell, 1046 W-92nd St., Los Angeles.

Plumbing to J. Hokom at \$1,461; wiring to Moran & McWhinnie of Hermosa at \$1,375, and heating to Pacific Gas Radiator Co. at \$1,023. The bids for painting and electric fixture were rejected.

Plans Being Figured. Bids Close Nov. 25, 7:30 P. M.

SCHOOL Cost, \$—  
MONTEREY, Monterey Co., Cal. Monterey School District.  
Two reinforced concrete school buildings.

Owner—Monterey School District.  
Architects—Paul V. Tuttle and Arthur W. Angel, 415 Alvarado St., Monterey, Cal., or 565 Lighthouse Ave., Pacific Grove, Cal.

Bids will be received for the erection of each building complete as shown on the plans and as specified and separately on each building as follows:

First—For complete grading and excavating.

Second—For complete concrete and cement work.

Third—For complete carpentry contract.

Fourth—For complete lathing and plastering.

Fifth—For complete roofing.

Sixth—For complete wiring.

Seventh—For complete painting.

Eighth—For complete heating.

Ninth—For complete plumbing and metal work.

Tenth—For all window shades.

Eleventh—For a program clock and bell system.

All bids must be on bid forms furnished by the Architects and shall be sealed and delivered with a certified check of 10% payable to A. G. Winston, Clerk of the Board of Trustees of the Monterey Grammar School District.

Contract Awarded.  
SCHOOL Cost, \$5,600  
ORICK, Humboldt Co., Cal.  
One-story and basement frame school building.

Owner—Orick School District  
Architect & Contractor—O. E. Ackerman, Eureka, Cal.

BERKELEY, Alameda Co., Cal.—The Berkeley Board of Education has voted to erect two portable schools at the Longfellow school until the new building for that district is completed. It is also planned to erect buildings at the Hillside school.

SAN FRANCISCO.—The Board of Public Works on recommendation of John Reid Jr., City Architect, has commissioned architects to prepare plans for the following school buildings:

Adams School—Morris M. Bruce.  
McKinley School—Chas. Sumner.  
Spring Valley School—August G. Headman.

Bernal School—Martin A. Sheldon.  
Hancock School—Ward & Blohme.  
Columbus School—Herman Barth.  
Edison School—Walter O'Brien.  
Mission School and Grant School—John Reid Jr.

Plans Being Prepared.  
ADDITIONS Cost, \$60,000  
LOS GATOS, Santa Clara Co., Cal.

Two two-story reinforced concrete wing additions to high school (auditorium and additional rooms and a cloister).

Owner—Los Gatos High School.  
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.  
A bond election will be held November 7th.

Sketches Prepared.  
SCHOOL Cost, \$100,000  
LOS GATOS, Santa Clara Co., Cal.

Fireproof grammar school.  
Owner—City of Los Gatos.  
Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

Mr. McDougall has prepared a sketch for the building and a bond election will be put to a vote next Spring.

Working Drawings Being Prepared.  
Figures to be Called For in About a Month.

ADDITIONS TO SCHOOLS Cost, \$—  
MODESTO, Stanislaus Co., Cal.

Three one-story additions to high school and a new gymnasium building (all of brick or hollow tile).

Addition of two wings to Departmental School (brick walls).

Addition of 2 wings to 17th Street School (hollow tile).

Addition to 6th Street School (hollow tile).

Addition of 2 wings to Washington School (hollow tile).

Addition to 14th Street School (hollow tile).

Owner—City of Modesto.  
Architect—John J. Donovan.

The high school will be erected first and will be out for figures in about a month. Most of the work will be done by general contract.

The Bank of Italy has purchased the bonds to the amount of \$185,000, for the grammar schools and \$164,000 for the high school.

Figures to be Called for in About a Week.

SCHOOL Cost, \$100,000  
CLOVIS, Fresno Co., Calif.

Two-story reinforced concrete High School.

Owner—Clovis Union High School District.

Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Figured. Bids Close Nov. 24, 1919, at 8 P. M.  
**AUDITORIUM, ETC.** Cost, \$—  
**SEBASTOPOL**, Sonoma Co., Calif.  
 One-story frame and plaster auditorium and gymnasium.  
 Owner—Sebastopol School District.  
 Architect—W. H. Weeks, 75 Post St., San Francisco.  
 Plans may be obtained from the architect's office.

Plans Being Figured.  
**SCHOOL** Cost, \$50,000  
**ARCADIA**, Los Angeles Co., Cal.  
 One-story hollow tile school (8 rooms).  
 Owner—Arcadia School District.  
 Architect—Norman F. Marsh, 210 Broadway Central Bldg., Los Angeles.

Bids will be taken separately on the general contract, plumbing, painting and heating. Alternate proposals will be taken on the general contract for Simons hollow brick exterior wall construction, Dennison hollow tile and Heath hollow tile construction. Plans may be obtained at the office of the architect upon deposit of ten dollars.

Contract Awarded.  
**DORMITORY** Cost, \$200,000  
**CLAREMONT**, Los Angeles Co., Cal.  
 Two-story reinforced concrete college dormitory (120 rooms).  
 Owner—Pomona College.  
 Architects—Jas. P. Jamieson, St. Louis and Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.  
 Contractor—Crookshank & Somers, Somers, Pomona.

## STORES AND OFFICES

**FRESNO**, Fresno Co., Cal.—William Parker, Fresno, has purchased a site on Tulare street between "M" and "N" streets, and plans the erection of a two-story fireproof building. The building will have a fifty foot frontage.

Plans to be Prepared. Contract Awarded.  
**ALTERATIONS** Cost, \$—  
**SAN FRANCISCO**, NW First Avenue and Geary Street.  
 Alter brick building into auto sales rooms.  
 Owner—Zellerbach-Levinson Co., 1514 California St., San Francisco.  
 Architect—Not Given.

Contractor—Theo. S. Hoin, 1739 Washington St., San Francisco.  
 One store has been leased to a firm in the auto business and as soon as tenants for the balance of the building are secured, construction will be started.

Plans Being Prepared.  
**AUTO SALES ROOM** Cost, \$—  
**LODI**, San Joaquin Co., Cal. South School Street.  
 One-story fireproof auto sales room, 140x35.  
 Owners—Dr. D. S. Clouse, George L. Meissner, W. H. Lorenz and W. H. Thompson.  
 Lessee—I. G. Krieger, Lodi, Cal.

Plans Being Figured.  
**ALTERATIONS** Cost, \$—  
**SAN FRANCISCO**, No. 314 Sutter St.  
 Alter six-story and basement fireproof building for furniture store.  
 Owner—J. R. K. Nuttall.  
 Lessee—Dare Bros. Furniture Co., 255

Geary St., San Francisco.  
 Architects—Ward & Blohme, Alaska Commercial Bldg., San Francisco.  
 Bids will be taken for a general contract.

Contract to be Awarded.  
**ALTERATIONS** Cost, \$4,000 approximately.  
**SAN FRANCISCO**, SE Third and Stevenson Streets.  
 Alter 1st floor into 2 stores (not cigar stores).  
 Owner—United Cigar Co., 557 Howard St., San Francisco.  
 Architect—C. E. Jones, 557 Howard St., San Francisco.  
 Contractor—E. Ellingson, 110 Jessie St., San Francisco.

**TULARE**, Tulare Co., Cal.—J. B. Newman of Los Angeles and Visalia, will erect in Tulare a hollow tile building to cost \$15,000 to house the R. O. Lovell Implement Co., agents for the Moreland trucks.

Plans Complete. Figures to be Taken Next Week.  
**FURNITURE STORE** Cost, \$70,000  
**SAN FRANCISCO**, S Sutter & Mason.  
 Two-story, basement and mezzanine reinforced concrete building (furniture store).  
 Owner—Wm. F. Dunn.  
 Lessee—E. Curtis.  
 Architect—S. Heiman, 57 Post St., San Francisco.

Plans Being Figured.  
**UNDERTAKING PARLOR, ETC.** Cost, \$20,000.  
**SAN FRANCISCO**, W Buchanan St. S Turk.  
 Two-story brick undertaking parlor and chapel (brick veneer facing).  
 Owner—Chevra Kadisha.  
 Architect—S. Heiman, 57 Post St., San Francisco.  
 Figures will be taken for a general contract.

Segregated Figures Being Taken.  
**AUTO SALES BLDG.** Cost, \$35,000  
**SAN FRANCISCO**, SE Golden Gate Avenue and Larkin Street.  
 One-story Class "C" auto sales bldg.  
 Owner—Withheld.  
 Architect—Mathew O'Brien, 68 Post St., San Francisco.

**P. J. WALKER COMPANY TO CONSTRUCT LARGE OFFICE BLDG.**  
**SAN FRANCISCO**.—The Commercial Union Assurance Company of London, which has recently bought the old Nevada Block property at the corner of Montgomery and Pine streets, will shortly commence the construction of a very large modern office building, designed to meet the needs of insurance brokers.

The building project will be under the management of the P. J. Walker Company, Monadnock Bldg.

It is hoped that the selection of an architect to design the building will be made in a few days.

Contract Awarded. Will Take Sub-Figures.  
**AUTO SALES BLDG.** Cost, approximately, \$40,000.  
**SAN FRANCISCO**, NW Clay and Van Ness Avenue.  
 Two-story and basement Class "C" auto sales building.

Owner—Louis R. Lurie.  
 Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.  
 Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.  
 (30523) 1st report Oct. 2, '19.

**SANTA CLARA**, Santa Clara Co., Cal.—The Raney property on Franklin street has been purchased by Frank Stewart and Charles Parker, who will tear down the present structure and erect a modern concrete business block. The site is 70½ by 150 feet in size.

Plans Being Figured.  
**DEPARTMENT STORE** Cost, \$100,000 or more.  
**MODESTO**, Stanislaus Co., Calif. 10th street bet. "K" and "L" Sts.  
 Two-story and basement class "A" reinforced concrete department store, 100x100.  
 Owner—Thompson Co.  
 Architect—Walker & Eisen, 1402 Hillbernian Bldg., Los Angeles.  
 The contract for the excavation has been let to Ernest Green & Co. of Modesto.

Plans Prepared.  
**DEPARTMENT STORE** Cost, \$—  
**SAN DIEGO**, Calif.  
 Eight-story reinforced concrete department store.  
 Owner—Holzwasser Co., Inc.  
 Architect—Weaver & Vawter, 500 26th St., San Diego.

Contract Awarded.  
**ADDITION** Cost, \$4,500  
**VALLEJO**, Solano Co., Cal. No. 206 Georgia Street.  
 One-story brick addition to grocery store.  
 Owner—T. V. Collins, Premises.  
 Architect—Not Given.  
 Contractor—Miller & Cassidy, Vallejo

Contract Awarded. Excavation Started  
**OFFICES, ETC.** Cost, \$16,000  
**EUREKA**, Humboldt Co., Cal. Fourth Street near E Street.  
 One-story concrete auto depot, cafe and offices, 60x110.  
 Owner—Mrs. Eva L. Ricks.  
 Lessee—Humboldt Auto Stage Ass'n.  
 Architect—Newton Ackerman, 430 "H" St., Eureka, Cal.  
 Contractor—Elsmore & Jacobs, Eureka, Cal.

Contract Awarded.  
**AUTO SALES ROOM** Cost, \$—  
**LOS ANGELES**, SE 11th and Flower Streets.  
 Three-story Class "A" reinforced concrete auto sales rooms and garage, 150x155.  
 Owner—Mrs. S. H. Van Uys.  
 Architects—Morgan, Walls & Morgan, 1134 Van Uys Bldg., Los Angeles.  
 Contractor—Leonard & Peck, H. W. Hellman Bldg., Los Angeles.  
 Other contracts were awarded as follows: Plumbing to Thos. Haverly Co.; roofing to Pioneer Waterproofing & Roof Co.; elevator to Llewellyn Iron Works; heating to Phillips Heating Co.; and painting to Richard Arenz.

Contract Awarded.  
**FURNITURE STORE** Cost, \$65,000  
**SAN FRANCISCO**, S Sutter & Mason.  
 Two-story, basement and mezzanine reinforced concrete building (fur-

(where shown)  
 Owner—Wm. F. Dunn, Crocker Bldg.,  
 San Francisco.  
 Lessee—E. Curtis.  
 Architect—S. Heiman, 57 Post St.,  
 San Francisco.  
 Contractor—Monson Bros., 1907 Bryant  
 St., San Francisco.

## SPECIFICATIONS

Elevators (3) passenger, freight and  
 sidewalk; Floors, hardwood; Heating,  
 steam; Interior Finish, hardwood.

## ENGINEERING

BRIDGES, DAMS & HARBOR  
WORK

SANTA ROSA, Sonoma Co., Cal.—The  
 County Engineer has been authorized  
 by the County Supervisors, W. W. Felt  
 Jr., County Clerk, to purchase 920 feet  
 of steel cable for the county ferry  
 over the Russian River at a point  
 known as Markham's Ferry, 2 miles  
 from the ocean.

OAKLAND, Cal.—Bids will be re-  
 ceived by County Clerk Geo. E. Gross,  
 up to November 17th, 10 A. M., for the  
 repair of the pile piers and approaches  
 of the combination skew truss bridge  
 over San Lorenzo Creek on the Road  
 leading from County Road 3422 SE to  
 the Town line of Hayward, Eden Road  
 District Eden Township. Plans may  
 be had from County Clerk Gross at  
 Oakland.

OROVILLE, Butte Co., Cal.—The  
 County Supervisors have awarded con-  
 tracts for bridges as follows:

Orvin Knight, Chico, bridge across  
 Rock Creek on the Nord and Gianella  
 road, T. H. Peck, 7th St., Chico, Sand  
 Slough bridge on Heck's Lane, north of  
 Chico. J. B. Clark, Marysville, bridge  
 across Rock Creek northeast of Nord.

STOCKTON, San Joaquin Co., Cal.—  
 Bids will be received by Eugene D.  
 Graham, County Clerk, up to November  
 19th, 10 A. M., for furnishing all the  
 materials, labor, and equipment, and  
 constructing a wooden trestle bridge  
 with concrete abutments and footings,  
 making all excavation and backfill, and  
 filling in the approaches to the bridge  
 and making it ready for travel, over  
 Bear Creek about 500 feet East of the  
 Harmony Grove school house between  
 Sections 14 and 23, Twp. 3 N., R. 7 E.,  
 M. D. B. & M., in accordance with plans  
 prepared by County Surveyor Quail.

OAKLAND, Cal.—The County Su-  
 pervisors have awarded a contract to  
 Breese & Burgund, 2010 38th Ave.,  
 Oakland, for the construction of two  
 bridges on the Redwood Canyon Road  
 near the home of the late Joaquin  
 Miller. The bid was \$5,590.

MERCED, Merced Co., Cal.—The  
 County Engineer has been instructed  
 by the County Supervisors, P. J.  
 Thornton, County Clerk, to prepare  
 plans and specifications for the fol-  
 lowing bridges:

Reinforced concrete bridge over San  
 Joaquin and Kings River Canal and  
 Irrigation Company's canal on high-  
 way south of Gustin in Road District  
 No. 4.

Reinforced concrete bridge over

Black Rascal Creek on Yosemite Col-  
 ony Road in Road District No. 1.

Reinforced concrete bridge over  
 slough on Hopeton-Snellings Road near  
 Hopeton station on Y. V. R. R. in Road  
 District No. 1.

Bids will be called on completion of  
 plans.

RED BLUFF, Tehama Co., Cal.—  
 Bids will be received by the County  
 Supervisors, H. G. Kuhn, County Clerk,  
 up to November 19th, 10 A. M., for the  
 construction of a low truss steel  
 bridge across Dry Creek, near the  
 Alford Place, in Supervisor District  
 No. 1.

ABERDEEN, Wash.—Resolutions  
 urging the port commission to under-  
 take immediately an extensive pro-  
 gram of port improvement have been  
 adopted by the Grays Harbor Realty  
 Board. The advisability of purchasing  
 an inner harbor dredge for permanent  
 use here will be investigated by a

REDWOOD CITY, San Mateo Co.,  
 Cal.—Bids will be received by the City  
 Trustees, W. A. Price, City Clerk, up to  
 November 17th, 7:30 P. M., for the con-  
 struction of a reinforced concrete  
 bridge across branch of the Redwood  
 Creek on Washington street, between  
 Jefferson avenue and Broadway.

Certified check of \$1,000 payable to  
 the Town of Redwood City must ac-  
 company each bid.

NAPA, Napa Co., Cal.—The Western  
 Pipe & Steel Co., 444 Market Street,  
 San Francisco, has been awarded a  
 contract by the County Supervisors for  
 furnishing and delivering to the  
 county of Napa corrugated iron cul-  
 verts for use on the county highway  
 system at \$1,628.80. The only other  
 bidder was the Madewell Pipe & Cul-  
 vert Works of Oakland at \$1,744.20.

PLACERVILLE, El Dorado Co., Cal.—  
 The Supervisors have instructed the  
 County Surveyor to prepare plans and  
 specifications for a bridge across  
 French Creek at the Watkins' Cross-  
 ing.

Bids will be called on completion of  
 plans.

PORTERVILLE, Tulare Co., Cal.—  
 City Engineer F. W. Pease has filed a  
 report with the City Council giving  
 estimates for construction of new  
 bridges over Porter Slough leading  
 into the business district. About \$45,-  
 000 will be expended in bridge con-  
 struction, if the report is accepted.

## IRRIGATION WORK

BUTTE, Montana.—Contracts  
 amounting to \$895,303 for the con-  
 struction of the wooden and steel pipe  
 line from the Big Hole River to Butte,  
 doubling the city's water supply, has  
 been let by the Butte Water Company.  
 The contract for the wooden pipe line,  
 amounting to \$383,060.70, was let to the  
 Redwood Manufacturing Co., Hobart  
 Bldg., San Francisco. The contract for  
 the steel line and valves were let,  
 amounting to \$167,242 and \$20,000, re-  
 spectively. The contract states that  
 the work shall be completed by Oc-  
 tober, 1920. The estimated cost of  
 labor is \$325,000.

SAN JOSE, Santa Clara Co., Cal.—  
 Bids will be received by Henry A.  
 Pfister, County Clerk, up to 11 A. M.,  
 December 1st, for digging well and  
 supplying material for irrigation plant  
 at the county almshouse, Milpitas.

PENNINGTON, Sutter Co., Cal.—At  
 the next meeting of the Pennington  
 Farm Center a committee will report  
 upon the practicability of forming a  
 new irrigation district to cover about  
 2,000 acres in this vicinity.

The plan is to bring water in from  
 the Sutter-Butte Canal Company's  
 ditches.

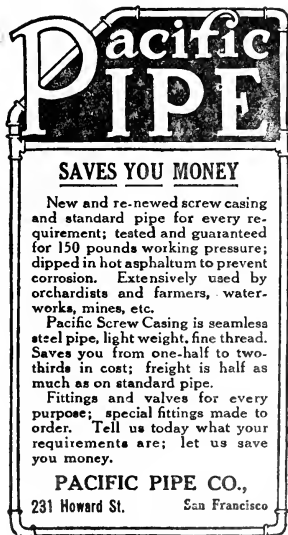
SEWERS, STREET WORK,  
ROADS AND WATER  
SYSTEMS

Hussey, Civil Engineer, has been in-  
 structed by the City Council to pre-  
 pare plans and specifications for bet-  
 terments to the city water system.  
 The work will cost about \$500,000.

Included in the additions and bet-  
 terments to the system will be the erec-  
 tion of a large settling reservoir of  
 24,000,000 gallons capacity, four miles  
 northeast of Walla Walla. A new con-  
 duct between this reservoir and a new  
 diversion dam to be built is planned  
 and 3 ½ miles of 30-inch wood stave  
 pipe will be laid. In addition, sev-  
 eral stretches of pipe of various sizes  
 will be laid as well as necessary  
 changes to the existing system.

FRESNO, Fresno Co., Cal.—The City  
 Council, Chas. Dillon, City Clerk, has  
 awarded contracts for street improve-  
 ments as follows:

To the Federal Construction Co., for  
 the improvement of Van Ness avenue  
 from the south line of Olive avenue to  
 a line 60 feet south of the present line  
 of University avenue by grading, con-  
 structing cement concrete gutters, in-  
 stallation of corrugated iron culverts



**Pacific  
PIPE**

**SAVES YOU MONEY**

New and re-nued screw casing  
 and standard pipe for every re-  
 quirement; tested and guaranteed  
 for 150 pounds working pressure;  
 dipped in hot asphaltum to prevent  
 corrosion. Extensively used by  
 orchardists and farmers, water-  
 works, mines, etc.

Pacific Screw Casing is seamless  
 steel pipe, light weight, fine thread.  
 Saves you from one-half to two-  
 thirds in cost; freight is half as  
 much as on standard pipe.

Fittings and valves for every  
 purpose; special fittings made to  
 order. Tell us today what your  
 requirements are; let us save  
 you money.

**PACIFIC PIPE CO.,**  
 231 Howard St. San Francisco

and paving with a 5-inch crushed rock base on a two-inch bitulithic wearing surface.

To the Federal Construction Co., for the improvement of Tulare avenue from the east line of First street to the east line of Sixth street by grading, constructing cement concrete curbs and gutters, installation of corrugated iron cross and return culverts with manholes and paving with a 4-inch pavement of cement concrete base and a 1½-in. bitulithic wearing surface.

To the California Road & Improvement Co., Bank of Italy Bldg., Fresno, for the improvement of College avenue between Belmont avenue and Bremer Ave. and one the south side of Bremer avenue between Van Ness and College avenues by the construction of artificial stone sidewalks, except where already in place.

To the California Road & Improvement Co., for the improvement of Yale and Cambridge avenues from the east line of Marga avenue to the west line of College avenue by grading, constructing cement concrete gutters and paving with an asphalt concrete base, 2½ inches thick, and a bitulithic wearing surface 1½ inches thick.

To Fredericksen & Shannon, Fresno, for the construction of a 20, 18, 16, 12, 10 and 8 inch cement concrete and some vitrified sewer pipes, in portions of California avenue, Third street, Hamilton avenue and Montecito avenue.

UPLAND, San Bernardino Co., Cal.—Because of an error in the proceedings it will be necessary for the city to re-advertise for bids for paving four miles of Euclid avenue, the contract for which was recently awarded to W. C. Cline of Upland, at \$96,456. New proceedings will be started.

TUCSON, Ariz.—L. E. Barker has been appointed highway engineer of Pima county, to have charge of the construction of roads under the \$1,500,000 bond issue to fill the vacancy caused by the death of J. C. Ryana. Bids will probably be called for within 30 days for constructing the first stretch of road to be built, 22 miles, between Ajo and Gunsight.

PORTLAND, Ore.—Jacobsen-Jensen Co., Portland, submitted the only bid to the City Council for the construction of the sewer system to be known as East Sixty-fifth street and Stanton Street Sewer Systems. The bid was \$64,967.09 for cement pipe.

VALLEJO, Solano Co., Cal.—R. J. Blanco, Vallejo, has been awarded the contract for the paving of Lozier avenue on his bid of \$1,735.50. The only other bidder was Worswick Construction Co., at \$1,740.60.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has directed the City Engineer to prepare proceedings providing for the improvement of Montana street from Champion street to Peralta avenue.

TRACY, San Joaquin Co., Cal.—J. E. Johnston, Tracy, has been awarded the contract for the extension of the water

and sewer systems, both in Rosedale and south of the track, on his bid of \$3,401.39. T. E. Clinch submitted a bid of \$3,930.91.

OROVILLE, Butte Co., Cal.—D. C. Howard, California National Bk Bldg., Sacramento, has been awarded a contract by the County Supervisors for the extension of the Marysville road from a point south of Oroville to the Kerby Place, near the Union District road.

SANTA CRUZ, Santa Cruz Co., Cal.—The bid of Bos & O'Brien of San Francisco, at \$49,571.34 for the construction of the Santa Cruz-Soquel Road, the first unit of the County Highway System, has been rejected.

The work will probably be done by day labor under the supervision of Lloyd Aldrich, County Highway Engineer.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to the Oakland Paving Co., 5000 Broadway, Oakland, for the improvement of Blossom street from the west line of Fruitvale avenue to a line 533.5 feet west from Fruitvale avenue by grading, constructing cement curbs and gutters, laying an oil macadam pavement and the construction of cement concrete sidewalks and 10" pipe conduit.

Brees-Burgund Co., 2010 38th Ave., Oakland, has been awarded the contract for the improvement of portions of Frederick street by grading, constructing redwood header boards and the laying of a concrete pavement.

MERCED, Merced Co., Cal.—The City Trustees, J. D. Wood, City Clerk, has passed resolution of Intention No. 63, providing for the improvement of the south half of 21st street from the west line of "P" street to the east line of "Q" street by grading; constructing concrete curbs and paving with a four inch hydraulic cement concrete base and a rock and asphalt wearing surface five-eighths of an inch thick.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed Resolution of Intention No. 19298 N. S. providing for the improvement of Fourteenth street from Market to Wood street by grading, constructing concrete curbs and brick gutters, 14 inches wide, and paving with an asphalt macadam; construction of 14 brick catchbasins with cast iron inlet tops, vitrified pipe conduits and sewer.

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to November 24th, 2 P. M., for improving county highway Route 11, Section "A."

All bids are to be compared on the basis of the County Surveyor's estimate of the quantities of work to be done, as follows:

Item 1, 21550 cubic yards of earth-work without classification.

Item 2, 15670 cubic yards of Portland cement concrete base.

Item 3, — square feet of asphalt wearing surface, Type A.

Item 4, — square feet of asphalt wearing surface, Type B.

Item 5, — square feet of asphalt concrete pavement.

Item 6, — square feet of bituminous macadam.

Item 7, Total of 14 culverts.

Item 8, Total of 32 linear feet of railing.

Plans may be had from Chris. P. Jensen, County Highway Engineer, Cory Bldg., Fresno.

SACRAMENTO, Cal.—The City Council has directed City Engineer Frank T. Miller to proceed with working drawings for the filtration plant planned under the recent bond issue. Further delays regarding the proposed system will not be tolerated by the City Council it is said.

SACRAMENTO, Cal.—A petition has been received by the City Council asking the paving of Sixth avenue from Franklin Boulevard to Sacramento Boulevard.

The matter has been referred to the Street Department for report. M. J. Desmond is City Clerk.

MODESTO, Stanislaus Co., Cal.—J. H. Richers has been awarded a contract by the City Council, W. O. Thompson, City Clerk, for the construction of cement concrete sidewalks, 5 feet in width on portions of Sixth street, he being low bidder at 17 cents per sq. ft.

OAKLAND, Cal.—The City Council has passed resolution of Intention No. 19253 N.S., providing for the improvement of Lynde street from Peralta avenue southeasterly by grading; constructing concrete curbs and gutters, and laying an oil macadam pavement, vitrified pipe conduits 10" in diameter. L. W. Cummings is City Clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for the construction of sidewalks on the north side of Third street between the Bowman and Sly properties.

MARTINEZ, Contra Costa Co., Cal.—Property owners in Escobar street have awarded a (private) contract to Paul & Sayles for the improvement of that thoroughfare from Ferry to Lafayette street.

VENICE, Los Angeles Co., Cal.—Jos. Swamy of Santa Monica, submitted the lowest bid and was awarded the contract at \$39,000 for improving Virginia avenue by grading and paving with 5 inches of concrete and constructing cement curbs and sidewalks between Ocean Front walk and Strong's Drive; grading and oiling and constructing cement curbs between Strong's Drive and Lincoln Blvd.; grading, oiling and graveling Strong's Drive between Natilus avenue and Virginia avenue, and constructing a timber bridge across Canal street at Virginia avenue. The work will be done under the Vrooman act. Pearson & Summers submitted a bid at about \$45,000 and Braun, Bryant & Austin a bid at about \$46,000. W. F. Crawford, City Engineer.

**BERKELEY, Alameda Co., Cal.**—The City Council, A. G. Briggs, City Clerk, has awarded a contract to the Oakland Paving Co., 5000 Broadway, Oakland, for the improvement of Fourth street by grading; constructing redwood curbs and concrete gutters 2 feet wide, and macadamizing between gutters with asphalt surfaced macadam, from the north line of Gilman street to a line 500 feet north of Harrison street and the construction of concrete gutters on the north and south sides of Harrison street across Fourth street.

**RICHMOND, Contra Costa Co., Cal.**—The City Council, A. C. Paris, City Clerk, has awarded a contract to J. E. Staniger, of Point Richmond, for the improvement of portions of Santa Fe avenue by grading; paving with 4-inch cement concrete; redwood liners; construction of 4-inch lateral sewers with Y branches.

**OAKLAND, Cal.**—Bids will be received by L. W. Cummings, City Clerk, up to 12 M., November 20th, for the replacement of the fresh water connection of the high-pressure fire system in Oak street from 12th street north to the pumping station.

**PORTLAND, Ore.**—C. H. Purcell, District Engineer for the Bureau of Roads, U. S. Department of Agriculture, reports that no bids were received for the 57-mile stretch of highway between Sisters and Blue river. Mr. Purcell stated that new bids would be called for later. The reason for no bids being submitted was that contractors equipped to handle the large jobs are busy with state work.

**BERKELEY, Cal.**—The City Council has awarded a contract to the Oakland Paving Co., 5000 Broadway, Oakland, for the improvement of Virginia street by grading from the east line of Third street westerly to the east line of Second street and that an asphalt macadam pavement 18 feet wide be constructed in the center of Virginia street from the east line of Third street to the west line of Second St. A. G. Briggs is City Clerk.

**LODI, San Joaquin Co., Cal.**—Petitions asking the improvement of Lockeford street for a distance of two blocks, between Church and Sacramento streets, are being circulated and will be presented to the City Trustees at the next meeting.

**TULARE, Tulare Co., Cal.**—City Engineer Barryhill has completed plans for the paving of a dangerous strip of highway north of the Santa Fe tracks, and City Attorney Holland has been instructed to prepare the necessary proceedings providing for the work.

**NAPA, Napa Co., Cal.**—F. A. Burge, of Napa, has been awarded a contract by the County Supervisors for furnishing labor and equipment for the operation of the county rock quarry.

**CLIFTON, Ariz.**—Cotey & Black of Clifton, were awarded the contract at \$123,645.67 for constructing a sewer system for Clifton. McLean & Walsh

of El Segundo, Calif., submitted the only other bid at \$137,251.75. There will be an Imhoff tank, 20x28 ft., reinforced concrete construction. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, consulting engineers; A. J. Kerr, town engineer.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has awarded a contract to Bates & Borland, Oakland Bank of Savings Bldg., Oakland, for the improvement of Halliday avenue from the northwest line of 73rd avenue to the southeast line of Church street by grading, constructing concrete gutters and curbs and paving with an oil macadam pavement.

Bates & Borland were also awarded the contract for the improvement of Viola street from the southwest line of Peninnam avenue to the northeast line of Allendale avenue by grading, constructing concrete curbs and gutters; installation of culverts; cast iron manholes and paving with an oil macadam pavement.

**SANTA CRUZ, Santa Cruz Co., Cal.**—The County Supervisors have ordered County Engineer Lloyd Bowman to proceed with the construction of the county highway system between Santa Cruz and Sequel. It is thought that the stretch can be built for less than \$37,000.

Bos & O'Brien of San Francisco submitted the only bid for the work at \$49,571.34, but this was rejected.

**NAPA, Napa Co., Cal.**—The County Supervisors, Jas. Daly, County Clerk, has awarded a contract to R. J. Bianco, for the grading and covering of a portion of the county highway between St. Helena and Calistoga on his bid of \$49,000.

The contract for furnishing and delivering crushed rock and screenings was awarded to A. R. Sittig at \$2,132.25.

**SANTA ROSA, Sonoma Co., Cal.**—The City Engineer has completed plans for the improvement of E street from Fourth street to the bridge and will present same to the City Council for approval within the next few days.

**WOODLAND, Yolo Co., Cal.**—Street improvements and curb and gutter construction that were postponed during the period of the war are to be resumed here next Spring.

The City Trustees have instructed City Attorney J. H. Laufegour to prepare the necessary proceedings for the work.

**CHICO, Butte Co., Cal.**—Additional sidewalks are to be constructed in Chico, according to an Ordinance passed by the City Trustees creating Sidewalk District No. 5 for Rio Chico Way.

**OAKLAND, Cal.**—The City Council has passed a resolution of intention for the improvement of Fruitvale avenue between East Fourteenth street and Foothill Boulevard by grading; constructing concrete curbs; brick gutters and laying an asphalt pavement; vitrified pipe conduits; construction of brick manholes, etc. L. W. Cummings is City Clerk.

**SANTA CRUZ, Santa Cruz Co., Cal.**—

The City Engineer has been instructed to prepare plans for completing unfinished portions of concrete sidewalks in First avenue.

## FIRE EQUIPMENT.

**TRACY, San Joaquin Co., Cal.**—Four bids were submitted to the City Council for furnishing fire hose to the city fire department. The Pioneer Rubber Company of Pittsburgh, submitted a bid of \$57 per foot up to \$1.20 and the Fabian-Grunauer Company a bid of 98 cents per foot.

**LIVERMORE, Alameda Co., Cal.**—The following bids were received by the City Trustees for furnishing and delivering one motor-propelled fire engine with hose car:

Philip S. Cole, Inc.—350 gallon pump; 4-cylinder engine with solid tires, \$8,330; same engine with pneumatic tires, \$8,680.

Schneer & Scheeline—750 gallon pump; 140-horse power, 6-cylinder engine painted gray, \$9,650; same engine painted fire department red, \$9,875.

Seagrave Co.—325-gallon pump; 80-horse-power, 4-cylinder engine, \$8,750; 325-gallon pump; 120-horse-power, 6-cylinder engine, \$9,250; 500-gallon pump, 80-horse-power, 4-cylinder engine, \$10,250; 80-gallon pump, 120-horse-power, 6-cylinder engine, \$10,750.

American-La France Fire Engine Co.—300-gallon pump; 75-horse-power, 4-cylinder engine, \$8,850; 600-gallon pump; 75-horse-power, 4-cylinder engine, \$9,100; 600-gallon pump; 75-horse-power, 4-cylinder engine, \$10,350; 600-gallon pump; 75-horse-power, 6-cylinder engine, \$10,600.

All bids were taken under advisement.

**SAN JOSE, Santa Clara Co., Cal.**—Specifications prepared by the County Engineer for furnishing and delivering to the County of Santa Clara, one or more, Pierce-Arrow, 5-ton, motor trucks, all steel, complete, have been approved by the County Supervisors, Henry A. Pfister, County Clerk, and bids have been ordered received up to December 1st, 11 A. M.

**HEALDSBURG, Sonoma Co., Cal.**—Bids are being received by the City Trustees for furnishing and delivering 500 feet of new hose for the fire department. Specifications may be had from the City Clerk.

**WOODBURY, N. J.**—Somebody has stolen a \$2000 bridge, belonging to Monroe township. It was built across Great Egg Harbor river. A reward of \$200 is offered for its recovery.

The output of platinum, palladium, and other metals of the platinum group in Alaska in 1918 is estimated at 284 fine ounces, valued at \$36,600, according to the U. S. Geological Survey, Department of the Interior.

Platinum was recovered from the gold placers of some districts in larger amounts and from some in smaller amounts than last year.

One of the most interesting events of the year in connection with Alaska mining is the recovery of substantial amounts of palladium and of some platinum from the copper ore of the Salt Creek mine, near Ketchikan.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Am't.
2412	Hansen	Hansen	4400
2413	Buckbee	Swenson	850
2414	Dalbiesio	Garnyost	3500
2415	Fox	Moller	1600
2416	Johnson	Terranova	445
2417	Johnson	Terranova	445
2418	Kendall	Hamilton	2947
2419	Ballinger	Nelson	7000
2420	Allen	Hamill	2400
2421	Allen	Allen	12000
2422	Allen	Allen	12000
2423	Fritz	Pearson	500
2424	Thomson	Gallier	1000
2425	Western Un	Malloch	10935
2426	Same	Snook	2197
2427	Same	Wachter	1386
2428	Same	Decker	2298
2429	Woolsey	Am. Conc	1750
2430	Eureka Sash	Owner	1500
2431	Herta	Berta	1000
2432	St. Josephs	Fennell	4000
2433	Hansen	Hansen	6800
2434	Same	Same	6500
2435	Mangels	Mangels	6200
2436	Schoenberg	Gibbs	1400
2437	Hirschfeld	Home Mfg	3551
2438	Nelson	Nelson	7500
2439	Nelson	Nelson	7000
2440	Nelson	Nelson	7500
2441	Nelson	Nelson	7000
2442	United Cigar	Ellingson	4000
2443	Western States	Am Mble	9508
2444	Same	Fink	2456
2445	Crocker	Samuelson	13600
2446	Fiberstone	Coburn	4500
2447	Johnson	Johnson	2800
2448	Boyd	Robinson	400
2449	Coghlan	Coburn	4500
2450	Hindes	Pasqualetti	1000
2451	Sculti	Owner	800
2452	Nelson	Nelson	7000
2453	Recorder	Reed	2100
2454	Same	Goodman	1550
2455	U S Rubber	Martin	45000
2456	Arman	Sullivan	750
2457	Connolly	Connolly	750
2458	Hofheld	Forbes	15940
2459	Amer Fin	Zelinsky	2235
2460	Same	Sorensen	26450
2461	Fisher	Fisher	6000
2462	Luce	Luce	2500
2463	Richardson	Richardson	500

#### FRAME DWELLING

(2412) E TWENTIETH AVE 125 S Pacheco. One-story and basement frame dwelling.

Owner—Mary P. Hansen, 1717 Lincoln Way, San Francisco.

Architect—L. Hansen.

Contractor—L. Hansen, 2020 20th Ave., San Francisco.

COST, \$4400

#### ALTERATIONS

(2413) NO. 17 SECOND. Remove brick column and alter front.

Owner—Buckbee, Thorn Co., 151 Sutter.

Architect—None.

Contractor—Swenson & Franzen, 145 Natoma, San Francisco.

COST, \$850

#### SHED

(2414) NE DAVIDSON & NEWHALL.

One-story frame hog shed.

Owner—A. Dalbesio and B. Gurnero.

Contractor—C. L. Garnyost, 1593 Thomas Ave., San Francisco.

COST, \$3500

#### REPAIRS

(2415) NO. 252 ALMA. Repair fire damage.

Owner—M. Fox, Merchants' Exchange Bldg., San Francisco.

Architect—None.

Contractor—R. W. Moller, 614 Call Bldg., San Francisco.

COST, \$1600

#### ALTERATIONS

(2416) NO. 54 CROWN TERRACE.

Alter for garage.

Owner—James Johnson, Premises.

Architect—None.

Contractor—G. Terranova, 185 Ellsworth, San Francisco.

COST, \$445

#### ALTERATIONS

(2417) NO. 58 CROWN TERRACE.

Alter for garage.

Owner—Sidney Johnson, Premises.

Architect—None.

Contractor—G. Terranova, 185 Ellsworth, San Francisco.

COST, \$445

#### ALTERATIONS

(2418) NO. 25 SEVENTEENTH AVE

All work for alterations and additions to garage and residence.

Owner—Zeb Kendall, Premises.

Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.

Contractor—Peter Hamilton, Russ Bldg., San Francisco.

Filed Nov. 3, '19. Dated Oct. 31, '19.

Grading finished and joists framed for bay.....\$736.75

Bay framed & garage framed. 736.75

Garage enclosed and bay enclosed.....736.75

Completed and accepted.....736.75

TOTAL COST, \$2947.00

Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications filed.

#### ALTERATIONS

(2419) NW FIFTEENTH AND SHOT-

well Alter and add for (4) apartments (3-story frame).

Owner—F. Ballinger, Cr. Architects.

Architect—O'Brien Bros., 240 Montgomery, San Francisco.

Contractor—Emil Nelson, 39 Delmar, San Francisco.

COST, \$7000

#### FRAME RESIDENCES

(2420) S LAKE 60 and 120 W 28th Ave. Two two-story and basement frame residence.

Owner—Allen & Co., Sea Cliff, S. F.

Architect—Earle B. Bertz, 68 Post St., San Francisco.

Contractor—Thos. Hamill, 4101 Balboa St., San Francisco.

COST, \$12000 each

#### FRAME DWELLING

(2421) SE LAKE AND TWENTY-

ninth Ave. Two-story and basement frame dwelling.

Owner—Allen & Co., Sea Cliff, S. F.

Architect—Earle B. Bertz, 68 Post St., San Francisco.

Contractor—Thos. Hamill, 4101 Balboa St., San Francisco.

COST, \$12,000

#### FRAME RESIDENCE

(2422) SW LAKE AND TWENTY-

eighth Ave. Two-story and basement frame residence.

Owner—Allen & Co., Sea Cliff, S. F.

Architect—Earle B. Bertz, 68 Post St., San Francisco.

Contractor—Thos. Hamill, 4101 Balboa St., San Francisco.

COST, \$12,000

#### ALTERATIONS

(2423) NO. 331 PARK. Raise and alter dwelling.

Owner—N. A. Fritz, Premises.

Architect—None.

Contractor—E. K. Pearson, 2372 Bryant, San Francisco.

COST, \$500

#### REPAIRS

(2424) N CHARLES 100 W Mission.

Repair fire damage to planing mill.

Owner—H. S. Thomson, Premises.

Architect—Chas. E. Gottschalk, Phe-

lan Bldg., San Francisco.

Contractor—Roy Gallier, 89 Dehon.

San Francisco.

COST, \$1000

#### ALTERATIONS

(2425) NO. 51 GEARY AND 722 Mar-

ket. Wrecking, masonry, marble,

terrazzo, rough and finish car-

pening, glass and glazing, metal fur-

ring and partitions for alterations

and additions to building.

Owner—Western Union Telegraph Co.

Architect—Frederick H. Meyer, 742

Market, San Francisco.

Contractor—J. S. Malloch, 110 Jessie.

San Francisco.

Filed Nov. 4, '19. Dated Oct. 31, '19.

On 1st of each month.....75%

Usual 35 days.....25%

TOTAL COST, \$10,935

Bond, \$5467.50. Surety, The Fidelity &

Casualty Co. Limit, 50 days. Forfeit,

none. Plans and specifications filed.

(2426) PLUMBING ON ABOVE.

Contractor—Frederick W. Snook, 594

Clay, San Francisco.

Filed Nov. 4, '19. Dated Oct. 31, '19.

Payments same as above.....

TOTAL COST, \$2197

Bond, \$1098.50. Sureties, Wm. J. For-

ester & K. G. Haderlie. Limit, 50 days.

Forfeit, none. Plans and specifications

filed.

#### (2427) PAINTING ON ABOVE.

Contractor—H. Wachter, Chronicle

Bldg., San Francisco.

Filed Nov. 4, '19. Dated Oct. 31, '19.

Payments same as above.....

TOTAL COST, \$1388

Bond, none. Limit, 50 days. Forfeit,

none. Plans and specifications filed.

#### (2428) ELECTRICAL WORK ON

above.

Contractor—Decker Elec. Constr. Co.,

149 New Montgomery, S. F.

Filed Nov. 4, '19. Dated Oct. 31, '19.  
 Payments same as above.....  
**TOTAL COST, \$2298**  
 Bond, \$1149. Surety, New Amsterdam  
 Casualty Co. Limit, forfeit, none.  
 Plans and specifications filed.

## ALTERATIONS

(2429) NO. 2220 SACRAMENTO. Alter  
 for private garage.  
 Owner—Dr. Chester H. Woolsey, Prem.  
 Architect—None.  
 Contractor—American Concrete Co.,  
 755 Market, San Francisco.  
**COST, \$1750**

## ALTERATIONS

(2430) NO. 1715 MISSION (rear).  
 Remodel planing mill.  
 Owner—Eureka Sash & Door Mills,  
 Premises.  
 Architect—None.  
 Day's work. **COST, \$1500**

## FRAME DWELLING

(2421) N GIRARD 95 E Olmstead.  
 One-story and basement frame  
 dwelling.  
 Owner—Frank Berta, 997 Silva Ave.,  
 San Francisco.  
 Architect—None.  
 Day's work. **COST, \$1000**

## RETAINING WALL

(2432) PARK HILL AND BUENA  
 Vista Ave. Erect Retaining wall.  
 Owner—St. Joseph's Hospital, Prem.  
 Architect—Leo J. Devlin, Pacific Bldg.  
 San Francisco.  
 Contractor—Fennell & Chisholm, 189  
 Jessie, San Francisco.  
**COST, \$4000**

## FRAME BUNGALOW

(2433) LOT 8 BLK 3107 Westwood  
 Park. All work for one-story frame  
 bungalow.  
 Owner—Walter and H. J. Hansen, 1327  
 20th Ave., San Francisco.  
 Architect—Ida F. McCain, 318 Kearny  
 Ave., San Francisco.  
 Contractor—Hans J. Hansen, 1327 20th  
 Ave., San Francisco.  
 Filed Nov. 5, '19. Dated Oct. 21, '19.  
 Frame up and enclosed.....\$1700  
 Brown coated ..... 1700  
 Completed and accepted..... 1700  
 Usual 35 days..... 1700  
**TOTAL COST, \$6800**  
 Bond, \$3400. Sureties, Elling Ellingson  
 and E. V. Lacey, Limit, 90 days. For-  
 feit, none. Plans and specifications  
 filed.

## FRAME BUNGALOW

(2434) LOT 3 BLK 3166, Westwood  
 Park. All work for one-story frame  
 bungalow.  
 Owner—Walter and H. J. Hansen, 1327  
 20th Ave., San Francisco.  
 Architect—Ida F. McCain, 318 Kearny  
 St., San Francisco.  
 Contractor—Hans J. Hansen, 1327 20th  
 Ave., San Francisco.  
 Filed Nov. 5, '19. Dated Oct. 21, '19.  
 Frame up and enclosed.....\$1625  
 Brown coated ..... 1625  
 Completed and accepted..... 1625  
 Usual 35 days..... 1625  
**TOTAL COST, \$6500**  
 Bond, \$3250. Sureties, E. V. Lacey and  
 Elling Ellingson, Limit, 90 days. For-  
 feit, none. Plans and specifications  
 filed.

## FRAME DWELLING

(2435) W MIRAMAR 135 S Wildwood  
 being Lot 1 Blk 3175, Westwood  
 Park. All work for one-story and  
 basement frame dwelling.  
 Owner—Henry C. and Wm. J. Mangels,  
 1142 Naples, San Francisco.  
 Architect—Theo. Lenzen, Humboldt  
 Bank Bldg., San Francisco.  
 Contractor—Mangels Bros., 1142 Naples  
 San Francisco.

Filed Nov. 5, '19. Dated Oct. 16, '19.  
 Frame up and enclosed.....\$1550  
 Brown coated ..... 1550  
 Completed and accepted..... 1550  
 Usual 35 days..... 1550  
**TOTAL COST, \$6200**

Bond, \$3100. Sureties, Annie L. Kohl-  
 becker and Mrs. H. J. Mangels, Limit,  
 90 days. Forfeit, none. Plans and  
 specifications filed.

NOTE:—1st report Oct. 18, No. 2263.

## PLUMBING

(2436) N BUSH 137-6 W Taylor W  
 82-6 N 137-6. Plumbing for one-story  
 and basement brick store building.  
 Owner—Paulina Schoenberg, 2010  
 Pacific Ave., San Francisco.  
 Architect—Mel I. Schwartz, Nevada Bk.  
 Bldg., San Francisco.  
 Contractor—J. Gibbs, 1708 Geary St.,  
 San Francisco.

Filed Nov. 5, '19. Dated Oct. 27, '19.  
 Plumbing roughed in.....\$525  
 Completed and accepted..... 525  
 Usual 35 days..... 350  
**TOTAL COST, \$1400**

Bond, \$700. Sureties, M. Gibbs and A.  
 Morris, Limit, 30 days. Forfeit, plans  
 and specifications, none.

## ALTERATIONS

(2437) NO. 76 ELLIS N side bet. Pow-  
 ell and S. ockton. Alterations to  
 store.

Owner—Al Hirschfeld & Co., 476 Jack-  
 son, San Francisco.

Architect—None.

Contractor—Home Manufacturing Co.,  
 543 Brannan, San Francisco.

Filed Nov. 5, '19. Dated Nov. 4, '19.  
 January 1, 1920 .....\$1000  
 February 1, 1920 ..... 1000  
 March 1, 1920 ..... 1000  
 April 1, 1920 ..... 551  
**TOTAL COST, \$3551**

Bond, Sureties, Forfeit, none. Limit,  
 February 1, 1920. Plans and specifica-  
 tions filed.

## FRAME BUNGALOW

(2438) LOT 6 BLK 3134, Westwood  
 Park. All work for one-story frame  
 bungalow.

Owner—Hans Nelson, 1375 Plymouth  
 Ave., San Francisco.

Architect—Chas. F. Strothoff, 2276  
 15th, San Francisco.

Contractor—Nelson Bros., 1375 Ply-  
 mouth Ave., San Francisco.

Filed Nov. 5, '19. Dated Oct. 22, '19.  
 Frame up & building enclosed.....\$1875  
 Interior & exterior brown coated 1875  
 Building completed ..... 1875  
 Usual 35 days..... 1875  
**TOTAL COST, \$7500**

Bond, \$3500. Sureties, Chas. Monson  
 and Edwin T. Peterson, Limit, 90 days.  
 Forfeit, none. Plans and specifica-  
 tions filed.

## FRAME BUNGALOW

(2439) LOTS 6, 7 AND 8 BLK 3177,  
 Westwood Park. All work for one-  
 story frame bungalow.

Owner—Hans Nelson, 1375 Plymouth  
 Ave., San Francisco.

Architect—Chas. F. Strothoff, 2276  
 15th, San Francisco.

Contractor—Nelson Bros., 1375 Ply-  
 mouth Ave., San Francisco.

Filed Nov. 5, '19. Dated Nov. 5, '19.  
 Frame up & building enclosed.....\$1750  
 Interior & exterior brown coated 1750  
 Building completed ..... 1750  
 Usual 35 days..... 1750  
**TOTAL COST, \$7000**

Bond, \$3500. Sureties, Chas. Monson  
 and Edwin T. Peterson, Limit, 90 days.  
 Forfeit, none. Plans and specifica-  
 tions filed.

## FRAME BUNGALOW

(2440) LOT 7 BLK 3134, Westwood  
 Park. All work for one-story frame  
 bungalow.

Owner—Hans Nelson, 1375 Plymouth  
 Ave., San Francisco.

Architect—Chas. F. Strothoff, 2276  
 15th, San Francisco.

Contractor—Nelson Bros., 1375 Ply-  
 mouth Ave., San Francisco.

Filed Nov. 5, '19. Dated Oct. 22, '19.  
 Frame up & building enclosed.....\$1875  
 Interior & exterior brown coated 1875  
 Building completed ..... 1875  
 Usual 35 days..... 1875  
**TOTAL COST, \$7500**

Bond, \$3500. Sureties, Chas. Monson  
 and Edwin T. Peterson, Limit, 90 days.  
 Forfeit, none. Plans and specifica-  
 tions filed.

## FRAME BUNGALOW

(2441) LOTS 9, 10 AND 11 BLK 3177,  
 Westwood Park. All work for one-  
 story frame bungalow.

Owner—Hans Nelson, 1375 Plymouth  
 Ave., San Francisco.

Architect—Chas. F. Strothoff, 2276  
 15th, San Francisco.

Contractor—Nelson Bros., 1375 Ply-  
 mouth Ave., San Francisco.

Filed Nov. 5, '19. Dated Nov. 5, '19.  
 Frame up & building enclosed.....\$1750  
 Interior & exterior brown coated 1750  
 Building completed ..... 1750  
 Usual 35 days..... 1750  
**TOTAL COST, \$7000**

Bond, \$3500. Sureties, Chas. Monson  
 and Edwin T. Peterson, Limit, 90 days.  
 Forfeit, none. Plans and specifica-  
 tions filed.

## ALTERATIONS

(2442) SE THIRD AND STEVENSON  
 All work for alterations to building  
 and store.

Owner—United Cigar Stores Co., 553  
 Howard St., San Francisco.

Superintendent—Chas. C. Jones, 553  
 Howard, San Francisco.

Contractor—E. Ellingson, 110 Jessie,  
 San Francisco.

Filed Nov. 5, '19. Dated Nov. 5, '19.  
 Wrecking complete .....\$1000  
 Store front ready for glass..... 1000  
 Completed and accepted..... 1000  
 Usual 35 days..... 1000  
**TOTAL COST, \$4000**

Bond, none. Limit, 35 days. Forfeit,  
 \$25. Plans and specifications, none.

## MARBLE WORK

(2443) SE MARKET AND SIXTH  
 (Hewes Bldg.) Marble work to be  
 installed in second story.

Owner—Western States Life Insurance  
 Co. (a corp.), Wells Fargo Bldg.,  
 San Francisco.

Architect—Reid Bros., 105 Montgomery  
 San Francisco.

Contractor—The American Marble & Mosaic Co., 25 Columbus Square, San Francisco.

Filed Nov. 5, '19. Dated Nov. 3, '19.  
On completion ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$9508.50  
Bond, \$4500. Surety, American Indemnity Co., Limit, Dec. 31st, 1919. Forfeit, \$25 per day. Plans and specifications filed.

(2144) SE MARKET AND SIXTH. Carpentry and cabinet work to be installed on second story.

Owner—Western State Life Insurance Co., (a corp.), Wells Fargo Bldg., San Francisco.

Architect—Heid Bros., 105 Montgomery San Francisco.

Contractor—Fink & Schindler Co., 226 13th, San Francisco.

Filed Nov. 5, '19. Dated Nov. 4, '19.  
On completion ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$2456  
Bond, \$1200. Sureties, Wm. Ritcher & E. Klass. Limit, January 8, 1920. Forfeit, \$10. Plans and specifications filed.

(2445) S MUNICH 154, 184, 214 and 244 W Cordova. Four one-story and basement frame dwellings.

Owner—Crocker Estate Co., Crocker Bldg., San Francisco.

Architect—None.

Contractor—A. M. Samuelson, 290 Rolph, San Francisco.

COST, \$3400 each

(2446) OAK, VAN NESS AND MARKET. General alterations for tire sales rooms.

Owner—Firestone Tire Co.

Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Contractor—P. R. Ward, 180 Jessie St., San Francisco.

COST, \$4500

#### FRAME DWELLING

(2447) W THIRTIETH AVE 150 N Taraval. Two-story and basement frame dwelling.

Owner—Louis Johnson, 2260 19th Ave., San Francisco.

Architect—None.

Day's work. COST, \$2800

#### ALTERATIONS

(2448) NO. 8 CALIFORNIA. New store front.

Owner—Boyd Estate Co., Inc., 216 Pine, San Francisco.

Architect—Sylvian Schnalttacher, 233 Post, San Francisco.

Contractor—Robinson & Gillespie, 1051 Sutter, San Francisco.

COST, \$400

#### REPAIRS

(2449) NOS. 12-14 CHATTANOOGA. Shingle roof and repair fire damages.

Owner—M. Coghlan, 180 Jessie, S. F.

Architect—None.

Contractor—Chas. Cohn, 150 Jessie, San Francisco.

COST, \$500

#### CONCRETE WORK, ETC.

(2450) NO. 2519 BROADWAY. Excavation, concrete work, etc., for garage.

Owner—S. R. Hindes, Premises.

Architect—F. H. Meyer, 712 Market St., San Francisco.

Contractor—Jos. Pasqualetti, Hum-

boldt Bank Bldg., San Francisco. COST, \$1000

#### ADDITION

(2451) NE HAWES AND QUESADA. Add one story to dwelling.

Owner—A. Scitti, 1196 Quesada, S. F.

Architect—P. De Martini, 2123 Powell, San Francisco.

Day's work. COST, \$8000

#### FRAME BUNGALOW

(2452) W PLYMOUTH AVE 1908 from NE Cor. Lot 6 Blk 3177 Westwood Park S 89 deg 38 min 14 sec W 98.163 N 35.823 N 88 deg. 06 min. 21 sec. E 98.138 S 38.454 Ptn Lots 4, 5 and 6 Blk 3177, Westwood Park. All work for one-story frame bungalow.

Owner—Hans Nelson, 1375 Plymouth Ave., San Francisco.

Architect—None.

Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.

Filed Nov. 6, '19. Dated Oct. —, '19.

Enclosed ..... \$1750

Brown coated ..... 1750

Completed and accepted ..... 1750

Usual 35 days ..... 1750

TOTAL COST, \$7000

Bond, \$3500. Sureties, Chas. Monson & Edwin T. Peterson. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

#### CLASS "C" BUILDING

(2453) SE STEVENSON 496-3 SW 7th SW 28-9xSE 75. Brick work etc., for two-story Class "C" building.

Owner—The Recorder Printing & Publishing Co., 769 Stevenson, S. F.

Architect—None.

Contractor—A. G. Reed, 180 Jessie, San Francisco.

Filed Nov. 6, '19. Dated —.

Monthly payments of ..... 75%

36 days after ..... 25%

TOTAL COST, \$2100

Bond, none. Limit, 15 days. Forfeit, none. Plans and specifications filed.

(2454) CONCRETE WORK ON ABOVE

Contractor—George Goodman Artificial Stone Co., 35 Montgomery St., San Francisco.

Filed Nov. 6, '19. Dated —.

Payments same as above ..... TOTAL COST, \$1590

Bond, none. Limit, 15 days. Forfeit, none. Plans and specifications filed.

#### ALTERATIONS

(2455) SW FOLSOM AND SECOND. Office partitions; additions, etc., for two-story brick building.

Owner—U. S. Rubber Co., 336 Second, San Francisco.

Engineer—L. T. Bristol, 336 Second, San Francisco.

Contractor—Wm. Martin, 110 Jessie, San Francisco.

COST, \$45,000

(2456) NO. 249 MISSOURI. Raise dwelling and construct concrete foundation.

Owner—Wm. Arman, Premises.

Architect—None.

Contractor—D. J. T. Sullivan, 1940-44 Folsom, San Francisco.

COST, \$400

(2457) W EIGHTH AVE 70 S Clement. Alter partition on 1st and 2nd floors.

Owner—Mrs. Wm. Connolly, Premises.

Architect—None.

Day's work. COST, \$750

#### EXCAVATING, ETC.

(2458) S POST 37-6 E Larkin E 50x 87-6. All work of excavating, concrete and carpentry work for a one-story store building.

Owner—Edw. Hohfeld, Crocker Bldg., San Francisco.

Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.

Contractor—Richard J. H. Forbes, Mo-nadnock Bldg., San Francisco.

Filed Nov. 7, '19. Dated Nov. 7, '19.

On or before 10 days following 1st and 15th of each month

75% of work done ..... 75%

Usual 35 days ..... 25%

TOTAL COST, \$15,490

Bond, \$8,000. Sureties, New Amsterdam Casualty Co. Forfeit, \$20. Limit, 60 days. Plans and specifications filed.

#### PAINTING, ETC.

(2459) 44 FRONTAGE ON CALIFORNIA AND 43-6 E of Front. Painting of cabinet work, partitions and interior finish.

Owner—American Finance and Commerce Co., 310 Sansome, S. F.

Architect—W. H. Ratcliff, Jr., 1st National Bank Bldg., Berkeley.

Contractor—D. Zelinsky & Sons, 422 Turk, San Francisco.

Filed Nov. 7, '19. Dated Nov. —, '19.

On 1st of each month ..... 75%

Usual 35 days ..... 25%

TOTAL COST, \$2235

Bond, Sureties. Forfeit, none. Limit, as rapidly as possible. Plans and specifications filed.

#### CABINET WORK, ETC.

(2460) SAME AS ABOVE.

Contractor—Walter Sorenson, 3219 Ellis, Berkeley.

Filed Nov. 7, '19. Dated Nov. —, '19.

Same as above.

TOTAL COST, \$26,459

Bond, \$13,229. Sureties, Maryland Casualty Co. Forfeit, none. Limit, as fast as possible. Plans and specifications filed.

#### CLASS "C" STORE

(2461) S MISSION 77-6 E Third. One story and basement Class "C" store.

Owner—M. Fisher, 687 Mission, S. F.

Architect—None.

Day's work. COST, \$6000

#### FRAME DWELLING

(2462) N SANTA MARINA 50 W Prospect. One-story and basement frame dwelling.

Owner—R. A. Luce, 1353 Folsom, S. F.

Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Day's work. COST, \$2500

#### CONCRETE WORK, ETC.

(2463) N CHENERY 225 W Roanoke. Concrete work, underpinning, etc.

Owner—M. V. Richardson, 558 Chenery San Francisco.

Architect—None.

Day's work. COST, \$500

#### COMPLETION NOTICES.

##### San Francisco County

Nov. 1, 1919—KENTUCKY STREET Warehouse. Walker D. Hines, Director General Southern Pacific Co. to Flinn & Treacy, Oct. 25, 1919

Nov. 1, 1919—NW VAN NESS AVE. and Washington W 123xN 71-84. Charles Holbrook to H. Maundrell & Co., Nov. 1, 1919

Nov. 1, 1919—W MISSION 149 N 19th N 49xW 100. The Kern Co. to Barrett & Hilp, Oct. 22, 1919



Nov. 3, 1919—S GEARY 115 W 16th Ave W 50x100. J. A. Dignan to Thos. Hamilton. Nov. 3, 1919  
Nov. 3, 1919—LOT 10 BLK 3135, Westwood Park. Katherine C. Kingswell to Geo. Oct. 25, 1919  
Nov. 4, 1919—LOT 2 8 to 10 feet Lot 1 Blk 3107, Westwood Park. Ida P. McCain to H. J. Hansen. Nov. 4, 1919  
Nov. 5, 1919—E TWENTY-NINTH AVE 625 N Cabrillo N 25x120. Geo. T. Gerhardt to Otto Anderson. Nov. 5, 1919  
Nov. 7, 1919—LOTS 2 10 to 12 feet Lot 1 to 27 and 30 and 31 Blk 24, St. Francis Wood Exin No. 2. St. Francis Wood Co. Garden Homes Co and Westgate Park Co. to T. D. Harney. Oct. 29, 1919  
Nov. 4, 1919—E TWENTY-NINTH AV 57,203 S Lake S 25x120. Harry B. Allen to whom it may concern. Nov. 4, 1919  
Nov. 4, 1919—E TWENTY-NINTH AV 52,203 S Lake S 25x120. Harry B. Allen to whom it may concern. Nov. 4, 1919  
Nov. 4, 1919—E TWENTY-NINTH AV 137,203 S Lake S 25x120. Harry B. Allen to whom it may concern. Nov. 4, 1919  
Nov. 4, 1919—E TWENTY-NINTH AV 112,203 S Lake S 25x120. Harry B. Allen to whom it may concern. Nov. 4, 1919  
Nov. 5, 1919—W CONER 100 S Ellis S 137-6xW 87-6. Robert Ibersen to American Concrete Co. Nov. 3, 1919  
Nov. 7, 1919—SE TENTH AND Bryant S 100x125. The Holmes Investment Co to P. R. Ward. Oct. 30, 1919  
Nov. 7, 1919—LOT 12 BLK 2920 West Portal Park. Leo J. Ruegg to whom it may concern. Nov. 7, 1919  
Nov. 7, 1919—LOT 4 BLK 2920 West Portal Park N Madrone 174-846 to Taraval N 200xW 33-333. Leo J. Ruegg to Ruegg Bros. Nov. 6, 1919  
Nov. 7, 1919—LOT 6 BLK 2920 West Portal Park. Leo J. Ruegg to whom it may concern. Nov. 7, 1919  
Nov. 7, 1919—SE POWELL AND Chestnut 67-6x103-15. Nicola Siciliano to J. Devenecenzi. Nov. 6, 1919  
Nov. 7, 1919—N GEARY 90 E 38th Ave 30x90. No. 7330 Geary. Alton E. Lapham to whom it may concern. Oct. 30, 1919  
Nov. 7, 1919—S SHORE VIEW AVE 70 W 37th Ave 34x110. No. 65 Shore View Ave. Alton E. Lapham to whom it may concern. Oct. 30, 1919  
Nov. 7, 1919—PTN LOTS 10, 11 AND 12 Blk 3177, Westwood Park. Hans Nelson to Nelson Bros. Nov. 6, 1919  
Nov. 7, 1919—LOT 5 BLK 3165, Westwood Park. Hans Nelson to Nelson Bros. Nov. 6, 1919  
Nov. 7, 1919—S POST 28 N Mead Edward Lewis & Henrietta Lewis to Theo S. Hoin. Nov. 7, 1919

## BUILDING CONTRACTS.

## Alameda County.

3390 MacGregor Owner 5900  
3391 Dobson Owner 4000  
3392 Lyman Lyman 1750  
3393 Johannsen Young 800  
3394 Meth. Rest Hse Doss 400  
3395 Williams Bowers 700  
3396 Devenecenzi Newsom 7500  
3397 Marquis Marquis 4000  
3398 Collins Rames 2500  
3399 Marquis Marquis 2000  
3400 Barton Bailey 795  
3401 Lennon Skagg 985  
3402 Koenig Pencovic 500  
3403 Smith Walker 1000  
3404 United Canneries Hech 1825  
3405 Hunter Texdahl  
3406 P. C. Can'g Co. Owner 100000  
3407 Same Same 120000  
3408 Hughes Hughes 1700  
3409 Von Ah Van 3000  
3410 Lodge Lodge 2300  
3411 Johnson Stolte 2985  
3412 Meakin Laing 1500  
3413 Hoyt Hoyt 400  
3414 Conroy Scott 400  
3415 Hahn Shider 475  
3416 Fritz Fritz 400  
3417 Jackson Quigley 400  
3418 Brown Diddle 12600  
3419 Hally Fish 2500  
3420 Riky Bpist White 8265  
3421 Same Makin 4597  
3422 Same Pitt 3750  
3423 Mott Skaggs 2000

3424 Partridge Owner 5500  
3425 Bischoff Owner 500  
3426 Peck Smith 500  
3427 Mueller Thornalley 13200  
3428 Matton Old Pung 3500  
3429 Gato Hollenbeck 475  
3430 Mickelson Gunter 2000  
3431 Starr Strang 6000  
3432 Fryer Woodard 4000  
3433 Roepcke Owner 1000  
3434 Hood Hull 484  
3435 Morrissey Spencer 482  
3436 Kirchmer Pedgriest 400  
3437 Riky Bd 150 Schmidt 11700  
3438 Same Schmidt 4700

DWELLING  
(3390) N MANDANA BLVD 248 E Calmar, Oakland. Two-story 7-room dwelling.

Owner—C. M. MacGregor, 470 13th St., Oakland.  
Architect—None.  
Day's work. COST, \$5900

## ALTERATIONS

(3391) NO. 1433-35 FIRST AVE., Oakland. Alter flats into apartments.  
Owner—M. Dobson, Premises.  
Architect—None.  
Day's work. COST, \$4000

## DWELLING

(3392) E 105TH AVE 675 N E-14th, Oakland. One-story 5-room dwelling.  
Owner—Lyman & Sweet, 3777 Broadway, Oakland.  
Architect—None.  
Day's work. COST, \$1750

## ADDITION

(3393) NO. 5000 MANILA AVE., Oakland. Addition.  
Owner—W. Johannsen, Premises.  
Architect—None.  
Contractor—J. H. Young, 350 50th St., Oakland.  
COST, \$400

## RESHINGLE

(3394) N.O. 1690 TOMPKINS, Oakland. Reshingle.  
Owner—Methodist Rest House.  
Architect—None.  
Contractor—C. A. Doss, 2028 E-15th, Oakland.  
COST, \$400

## ALTERATIONS

(3395) NO. 1635 LEROY AVE., Berkeley. Alterations.  
Owner—Mrs. Williamson, El Granada Apartments, Berkeley.  
Architect—None.  
Contractor—F. P. Bowers, 2027 Channing Way, Berkeley.  
COST, \$700

## DWELLING

(3396) S ARDMORE 300 W Mandana Blvd., Oakland. Two-story 8-room dwelling.  
Owner—Samuel S. Stevens, Nevada Bk. Bldg., Oakland.  
Architect—Noble Newsom.  
Contractor—Noble Newsom, Thousand Oaks, Berkeley.  
COST, \$7500

## DWELLING

(3397) S CROFTON AVE 400 E Walker Ave., Oakland. Two-story 6-room dwelling.  
Owner—E. M. Marquis, 2827 Russell, Berkeley.  
Architect—None.  
Day's work. COST, \$4000

## ADDITION

(3398) NO. 1016 FIFTY-NINTH, Oakland. Two-story addition to dwlg.

Owner—Mrs. Minnie M. Collins, Frem.  
Architect—None.  
Contractor—Wm. R. Barnes, 559 Arington, Oakland.  
COST, \$2500

## DWELLING

(3399) W SEMINARY AVE 125 N Seminary Court, Oakland. One-story 5-room dwelling.  
Owner—E. M. Marquis, 2827 Russell, Berkeley.  
Architect—None.  
Day's work. COST, \$2000

## REPAIRS

(3400) NOS. 109-11-13-15 EIGHTH, Oakland. Fire repairs.  
Owner—C. Borton, Syndicate Bldg., Oakland.  
Architect—None.  
Contractor—J. A. Bailey, 1035 Fallon, Oakland.  
COST, \$795

## ALTERATIONS

(3401) SW MOSS AVE & WEBSTER, Oakland. Alterations.  
Owner—Mark Lennon, 4406 Webster, Oakland.  
Architect—None.  
Contractor—J. H. Skaggs, 536 44th, Oakland.  
COST, \$985

## ALTERATIONS

(3402) NO. 713 WASHINGTON, Oakland. Alterations.  
Owner—Koenig & Kroll.  
Architect—None.  
Contractor—J. H. Pencovic, 929 Kirkham, Oakland.  
COST, \$500

## GARAGE

(3403) NO. 308 PERKINS, Oakland. Garage.  
Owner—J. P. Smith, Premises.  
Contractor—P. J. Walker Co., Menadnock Bldg., San Francisco.  
COST, \$1000

## STORAGE SHED

(3404) FOOT EIGHTY-FIFTH AVE., bet. Western and Southern Pacific tracks, Oakland. All work for box storage shed.  
Owner—United Canneries Co. of Calif., Premises.  
Architect—None.  
Contractor—Sam Jones, 2462 Valdez, Oakland.  
Filed Nov. 4, '19. Dated Oct. 20, '19.  
As work progresses. 75%  
TOTAL COST, \$1825

Bond. none. Limit, 30 days from Oct. 23. Forfeit, \$2.50. Plans and specifications, none.

## SERVICE STATION

(3405) COR. UNIVERSITY AVE. AND Milvia, Berkeley. All work for brick service station.  
Owner—D. B. Hunter, 2518 College Ave., Berkeley.  
Architect—James W. Plachek, 2011 Shattuck Ave., Berkeley.  
Contractor—C. Texdahl, 226 Acton Pl., Berkeley.  
Filed Nov. 4, '19. Dated \_\_\_\_\_  
TOTAL COST, \$—  
Plans and specifications only.

## CANNERY

(3406) NW TWELFTH AND PINE, Oakland. Two-story reinforced concrete cannery.

Owner—Pacific Coast Canning Co.,  
Premises.  
Architect—None.  
Day's work. \_\_\_\_\_  
COST, \$100,000

**BOILER HOUSE**  
(3407) WEST END TWELFTH, Oak-  
land. Two-story reinforced concrete  
boiler house.

Owner—Pacific Coast Canning Co., 12th  
and Pine, Oakland.  
Architect—None.  
Day's work. \_\_\_\_\_  
COST, \$12,000

**DWELLING**  
(3408) NW SIXTY-FOURTH AVE AND  
Camden, Oakland. One-story 5-room  
dwelling.

Owner—C. E. Hughes, 6290 Camden,  
Oakland.  
Architect—None.  
Day's work. \_\_\_\_\_  
COST, \$1700

**DWELLING**  
(3409) NW SIXTY-FOURTH AVE AND  
Bromley, Oakland. One-story five-  
room dwelling.

Owner—Peter Von Ah, 1725 64th Ave.,  
Oakland.  
Architect—None.  
Day's work. \_\_\_\_\_  
COST, \$3000

**DWELLING**  
(3410) N EDGERLY 180 E 55th Ave.,  
Oakland. One-story 5-room dwelling  
Owner—Martha E. Lodge, 5494 Bond,  
San Francisco.  
Architect—None.  
Contractor—C. F. Lodge, 5494 Bond,  
Oakland.  
COST, \$2300

**DWELLING**  
(3411) S E-THIRTY-THIRD 150 W  
13th Ave., Oakland. One-story five-  
room dwelling.  
Owner—Henrietta Johnson, 731 Henry,  
Oakland.  
Architect—None.  
Contractor—F. C. Stolte, 3449 Laguna  
Ave., Oakland.  
COST, \$3985

**SHOP**  
(3412) SE E-SIXTEENTH AND 44th  
Ave., Oakland. One-story machine  
shop.  
Owner—W. Meakin, 4417 E-16th, Okd.  
Architect—None.  
Contractor—P. M. Laing, 5445 Prince-  
Oakland.  
COST, \$1500

**DWELLING**  
(3413) N E-TWENTY-THIRD 150 E  
12th Ave., Oakland. One-story 2-room  
dwelling.  
Owner—R. W. Hoyt, 1224 E-23rd, Okd.  
Architect—None.  
Day's work. \_\_\_\_\_  
COST, \$400

**GARAGE**  
(3414) NO. 2328 THIRTEENTH AVE.,  
Oakland. Garage.  
Owner—Mrs. D. Conroy, Premises.  
Architect—None.  
Contractor—G. A. Scott, 685 23rd, Okd.  
COST, \$400

**ALTERATIONS**  
(3415) NO. 1530 SEVENTH, Oakland.  
Alterations.  
Owner—Mrs. Hahn, Oakland.  
Architect—None.  
Contractor—J. F. Shrader, 520 16th,  
Oakland.  
COST, \$475

**ADDITION**  
(3416) NO. 6425 COLBY, Oakland.  
Addition.  
Owner—August Fritz, 6427½ Colby,  
Oakland.  
Architect—None.  
Day's work. \_\_\_\_\_  
COST, \$400

**GARAGE**  
(3417) NO. 395 EUCLID AVE., Oak-  
land. Garage.  
Owner—F. K. Jackson, Boulevard Way  
Oakland.  
Architect—None.  
Contractor—Chas. E. Quigley, 464 Van  
Buren Ave., Oakland.  
COST, \$400

**APARTMENTS**  
(3418) SE COLLEGE AV & WEBSTER  
Berkeley. All work for two-story  
frame apartments.  
Owner—Gertrude L. Brown, 2725  
Pacific Ave., San Francisco.  
Architect—None.  
Contractor—Verne Dildine, 484 63rd,  
Oakland.  
Filed Nov. 5, '19. Dated Oct. 31, '19.  
Roof on ..... ¼  
Brown coated ..... ¼  
Completed and accepted ..... ¼  
Usual 35 days ..... ¼  
TOTAL COST, \$12,800  
Bond, none. Limit, 80 days. Forfeit,  
none. Plans and specifications filed.

**DWELLING**  
(3419) NO. 1205 HIGH, Alameda. One  
story 5-room dwelling.  
Owner—Hally & Co., 2315 Santa Clara  
Ave., Alameda.  
Architect—None.  
Contractor—M. H. Fish, 1340 Ver-  
sailles Ave., Alameda.  
COST, \$2500

**CONCRETE BUILDING**  
(3420) SE HILLEGASS AVE AND  
Dwight Way S 135.56 E 172.03 N  
149.47 W 160, Berkeley. Brick work  
for four-story and basement rein-  
forced concrete building.  
Owner—Berkeley Baptist Divinity  
School, 2606 Dwight Way, Bkly.  
Architect—Julia Morgan, Merchants'  
Exchange Bldg., San Francisco.  
Contractor—White & Gloor, Monad-  
nock Bldg., San Francisco.  
Filed Nov. 5, '19. Dated Sept. 4, '19.  
3rd of each month ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$8265  
Bond, \$4133. Surety, Aetna Accident  
& Liability Co. Limit, as required.  
Forfeit, none. Plans and specifica-  
tions filed.

(3421) LATH AND PLASTER ON  
above.  
Contractor—Wm. Makin, 3828 Beau-  
mont Ave., Oakland.  
Filed Nov. 5, '19. Dated Sept. —.  
Brown coated ..... \$2253.50  
Completed and accepted ..... 1126.75  
Usual 35 days ..... 1126.75  
TOTAL COST, \$4507.00  
Bond, \$2250. Sureties, Jerome E. Mac-  
Cormac and Jas. H. Pedgrift. Limit,  
as required. Forfeit, none. Plans and  
specifications filed.

**DWELLING**  
(3422) E HOPKINS 272 S Sutter,  
Berkeley. One-story 5-room dwell-  
ing.  
Owner—Geo. H. Pitt, 524 24th, Okd.  
Architect—None.  
Day's work. \_\_\_\_\_  
COST, \$3750

**DWELLING**  
(3423) E ELLSWORTH 100 N Channing  
Way, Berkeley. One-story 5-room  
dwelling.  
Owner—James Mott, 2406 Dana, Bkly.  
Architect—None.  
Contractor—J. H. Skaggs, 536 44th,  
Berkeley.  
COST, \$2000

**DWELLING**  
(3424) NO. 828 MENDOCINO AVE.,  
Berkeley. Two-story 8-room dwlg.  
Owner—C. W. Partridge, 2428 Virginia  
Berkeley.  
Architect—None.  
Day's work. \_\_\_\_\_  
COST, \$5500

**GARAGE**  
(3425) NO. 2711 RUSSELL, Berkeley.  
Garage.  
Owner—John A. Bischoff, 3151 Elton  
Ave., Berkeley.  
Architect—None.  
Day's work. \_\_\_\_\_  
COST, \$500

**ALTERATIONS**  
(3426) COR. SHATTUCK AND UNI-  
versity Aves, Berkeley. Alterations  
Owner—V. P. Peck, 2285 Shattuck  
Ave., Berkeley.  
Architect—None.  
Contractor—Harry C. Smith, 2011  
Francisco, Berkeley.  
COST, \$500

**PACKING PLANT**  
(3427) NW FORTY-SIXTH AVE AND  
SW E-14th NW 94.67xSW 96, Oak-  
land. All work for one-story rein-  
forced concrete and frame packing  
plant.  
Owner—Otto and Hugo Mueller, Call  
Bldg., San Francisco.  
Architect—None.  
Contractor—W. G. Thornalley, 3027  
E-16th, Oakland.  
Filed Nov. 6, '19. Dated Nov. 1, '19.  
Frame up ..... ¼  
Roof on ..... ¼  
Completed ..... ¼  
Usual 35 days ..... ¼  
TOTAL COST, \$13,300  
Bond, none. Limit, 90 days. Forfeit,  
none. Specifications only filed.

**GRADING, ETC.**  
(3428) LOTS 6 AND 7, Oak Ridge, Ber-  
keley. All work for excavating and  
grading.  
Owner—G. A. Mattern, 2701 Regent,  
Berkeley.  
Architects—Louis M. Upton and Milton  
Latham, Associate, 452 Montgom-  
ery, San Francisco.  
Contractor—The Oakland Paving Co.,  
5000 Broadway, Oakland.  
Filed Nov. 5, '18. Dated Nov. 1, '19.  
Completed and accepted ..... \$2600  
Usual 35 days ..... 900  
TOTAL COST, \$3500  
Bond, none. Limit, 26 days. Forfeit,  
none. Plans only filed.

**GARAGE**  
(3429) NO. 2601 MYRTLE, Oakland.  
Garage.  
Owner—M. Gato, Premises.  
Architect—None.  
Contractor—G. B. Hollenbeck, 966 26th,  
Oakland.  
COST, \$475

**ADDITION**  
(3430) NO. 4620 CONGRESS AVE.,  
Oakland. Two-story addition to  
dwelling.  
Owner—L. Mickelsen.

Architect—None.  
Contractor—R. L. Gunter, 4700 Fairfax Ave., Oakland.  
COST, \$2000

## DWELLING

(3431) W HARVARD ROAD 120 N Annerly, Oakland. Two-story 7-room dwelling.

Owner—C. C. Starr, Oakland.

Architect—None.

Contractor—F. N. Strang, 1405 Central Ave., Alameda.  
COST, \$6000

## DWELLING

(3432) N HOLLYWOOD 200 W Park Blvd., Oakland. Two-story 6-room dwelling.

Owner—Chas. M. Fryer, Oakland.

Architect—None.

Contractor—E. W. Woodard, 4025 Brighton Ave., Oakland.  
COST, \$4000

## ADDITION

(3433) NO. 3142 PERALTA AVE., Oakland. Addition.

Owner—Franz and Pauline Roepecke, Premises.

Architect—None.

Day's work. COST, \$1000

## GARAGE

(3434) NO. 6071 ROCKRIDGE BLVD., Oakland. Garage.

Owner—Geo. Hood.

Architect—None.

Contractor—W. E. Hull, 4709 Shafter Ave., Oakland.  
COST, \$484

## ALTERATIONS

(3455) NO. 450 E-FOURTEENTH, Oakland. Alterations.

Owner—John Morrissey, 900 Lake Shore Ave., Oakland.

Architect—None.

Contractor—E. O. Spencer, 577 Apgar, San Francisco.  
COST, \$482

## ALTERATIONS

(3436) NO. 428 BELLEVUE AVE., Oakland. Alterations.

Owner—George Kirchmer, Premises.

Architect—None.

Contractor—Jas. H. Pedgrift, 565 16th, Oakland.  
COST, \$400

## CEMENT WORK, ETC.

(3437) COR COLUSA AVE AND Tacoma, Berkeley. Concrete and cement work for Thousand Oaks School.

Owner—The Board of Education of the City of Berkeley and of Berkeley School District of Alameda County, State of California.

Architect—William C. Hays, 1st National Bank Bldg., Berkeley.

Contractor—W. J. Schmidt, Cedar and Sacramento, Berkeley.

Filed Nov. 8, '19. Dated Nov. 7, '19.

On 10th of each month. 75%  
Usual 35 days. 25%  
TOTAL COST, \$11,700

Bond, \$5900 and \$5900. Surety, Maryland Casualty Co. Limit, 60 days. Forfeit, plans and specifications, none.

## (3438) EXCAVATING AND GRADING on above.

Contractor—W. J. Schmidt, Cedar and Sacramento, Berkeley.

Filed Nov. 8, '19. Dated Nov. 7, '19.

Payments same as above. ....

TOTAL COST, \$4700  
Bonds, \$2500 and \$2500. Surety, Maryland Casualty Co. Limit, 30 days. Forfeit, plans and specifications, none.

## COMPLETION NOTICES.

## Alameda County.

## Recorded

Nov. 4, 1919—LOT 9, BLK N EXCELSIOR Heights Tract, Okd. Thomas Wood to George H. Lydskens. Nov. 4, 1919—BOUNDED BY FOOT-hill Blvd., Hillside St., 72nd Ave., Garfield St. and 69th Ave., Oakland. The Chevrolet Motor Company of Cal. to California Artistic Metal & Wire Co. Oct. 31, 1919 Nov. 7, 1919—S 50 Lot 49 and N 50 Lot 48 Map Dutton Manor, Florence E Miller to A C Sharp. Oct. 30, 1919

## Accepted

St. Fresno.

Architect—None.

Day's work.

COST, \$2700

## ALTERATIONS

NO. 1922 MARIPOSA ST., Fresno. New fronts, etc.

Owner—Itadin & Camp, 1931-7 Tulare St., Fresno.

Architect—None.

Contractor—E. Riggins, 317 Mason Bldg., Fresno.

COST, \$2000

## GARAGE

LOTS 1 & 2 BLK 21, Kerman, Fresno Co. All work for concrete garage.

Owner—G. F. Huggins, Kerman.

Architect—Swartz & Swartz, Rowell Bldg., Fresno.

Contractor—Robt. W. Brown, 324 S "J" St., Madera.

Filed Nov. 3, '19. Dated Oct. 30, '19.

1/2 completed. \$3212.50  
3/4 completed. 3212.50  
All completed. 3212.50  
Usual 35 days. 3212.50

TOTAL COST, \$13,270.00

Bond, \$—, Sureties, Ray R. Dearborn and J. T. White, Limit, 90 days. Forfeit, \$5 a day. Plans and specifications filed.

## STATION

DIVISADERO AND VAN NESS STS., Fresno. Filling station.

Owner—Associated Oil Co., 614 Rowell Bldg., Fresno.

Architect—None.

Day's work. COST, \$1000

## REPAIRS

NO. 2413 WASHINGTON AVE., Fresno. Repairs.

Owner—Hans Jensen, Premises.

Architect—None.

Contractor—C. P. Cain, 709 Mildreda St., Fresno.  
COST, \$1000

## DWELLINGS

LOT 5 BLK 12 and Lot 3 Blk 9, Hazelwood. Three frame dwellings and garages.

Owner—Thos. Montgomery, Fresno.

Architect—None.

Contractor—Reese & Atkins, 3643 Pratt St., Fresno.  
COST, \$2900 each

## DWELLING

LOTS 30 AND 31 BLK 6, Van Ness Heights, Fresno. Frame dwelling & garage.

Owner—G. A. Wylie, Fresno.

Architect—None.

Day's work. COST, \$2500

## DWELLING

LOTS 11 AND 12 BLK 15, North Park Terrace, Fresno. Frame dwelling and garage.

Owner—R. R. Fisher, 1510 Thomas St., Fresno.

Architect—None.

Day's work. COST, \$5500

## DWELLING

LOTS 1 AND 2 BLK 36, Orchard Hill Addition, Fresno. Frame dwelling and garage.

Owner—F. Hoyle, Fresno.

Architect—None.

Contractor—C. V. Smith, Fresno.  
COST, \$4800

## LIENS FILED.

## Alameda County.

Oct. 27, 1919—E WILLOW 25 N Pacific N 50XE 74.03, Okd. J H Pencovic (as Pencovic Hardware & Paint Co.) vs Carrie B Parker, T H Atkinson and John Doe. \$133.50  
Oct. 25, 1919—LOTS 10 AND 11 BLK "G" Map East Piedmont Heights, Piedmont. C B Shenk vs J Coward and Claremont Decorating Co. \$118  
Oct. 23, 1919—PTN PLOT 41 Rancho El Valle de San Jose, containing 20.027 acres, Pleasanton Tp. Bay Wrecking Co vs Mabel and John Doe Townner. \$88

## BUILDING CONTRACTS.

## Fresno County.

## BRICK STORE

"H" ST near San Joaquin St., Fresno. All work for one-story brick store, 75x150.

Owner—Jas. Porteous, 1095 N-Van Ness St., Fresno.

Architect—Eugene Mathewson, Cory Bldg., Fresno.

Contractor—W. H. Minard, 319 Abbey St., Fresno.

Filed Nov. 3, '19. Dated Nov. 3, '19.

Brick work ready for trusses. \$4660

Roof in place and building enclosed. 4660

When completed. 4660

Usual 35 days. 4661

TOTAL COST, \$18,641

Bond, \$10,000. Sureties, Frank F. Minard and Chas. W. Stewart. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

## HEATING SYSTEM

OIL KING SCHOOL DISTRICT, Fresno County. All work for installing 8 heaters and all blackboards for school.

Owner—Oil King Grammar School District.

Architect—Ernest J. Kump, Rowell Bldg., Fresno.

Contractor—Rucker-Fuller Desk Co., 677 Mission St., San Francisco.

Filed Nov. 4, '19. Dated Oct. 20, '19.

Completion of work. 75%

Usual 35 days. 25%

TOTAL COST, \$1409

Bond, \$705. Surety, Aetna Casualty & Surety Co. Limit, 200 days. Forfeit, none. Plans and specifications, none.

## FRAME DWELLING

LOT 10 BLK 7, Cedar Park, Fresno. Frame dwelling.

Owner—M. H. Clifford, 2805 Clifford

DWELLING  
LOT 2, Hillcrest Tract, Fresno. Frame dwelling.  
Owner—Adam Robbins, Fresno.  
Architect—None.  
Contractor—C. P. Cain, 709 Mildreda St., Fresno.  
COST, \$3000

FRAME DWELLING  
LOTS 5 AND 6 BLK 2, Fresno Home Builders' Palm Villa Tract, Fresno. All work for frame dwelling, garage, etc.  
Owner—Fresno Home Builders, 1231 "I" St., Fresno.  
Architect—None.  
Contractor—F. J. Stone, Mason Bldg., Fresno.

Filed Oct. 31, '19. Dated Sept. 19, '19.  
Roof or ..... ¼  
Plastering Complete ..... ¼  
Completed ..... ¼  
Usual 35 days ..... ¼  
TOTAL COST, \$5290  
Bond, \$2650. Sureties, J. A. Venard & G. A. Adams. Limit, 60 days. Forfeit, none. Plans and specifications filed.

HEATING SYSTEM  
TRANQUILLITY UNION HIGH School District. All work for heating and ventilating system for high school.  
Owner—Tranquillity Union High School District.  
Architect—Ernest J. Kump, Rowell Bldg., Fresno.  
Contractor—H. G. Rohr and W. H. Cox, 2555 White St., Fresno.

Filed Oct. 31, '19. Dated Sept. 15, '19.  
As work progresses ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$6950  
Bond, \$3475. Surety, American Surety Co. of New York. Limit, 45 days. Forfeit, none. Plans and specifications filed.

DWELLING  
S ¼ LOT 6 BLK 12, Wilson Tct, Fresno. Frame dwelling and garage.  
Owner—J. O. Kerrick, 822 "T" St., Fresno.  
Architect—None.  
Day's work and Sub-Contracts.  
COST \$6000

DWELLING  
LOTS 1 AND 2 BLK 35, Belmont Addition (rear 40 feet), Fresno. Frame dwelling and garage.  
Owner—D. A. Wakefield, 1432 White St., Fresno.  
Architect—None.  
Day's work. COST, \$2500

DWELLING  
LOTS 30 AND 31 BLK 3, College Addition, Fresno. Frame dwelling.  
Owner—J. C. Fursel, Fresno.  
Architect—None.  
Day's work. COST, \$2780

ADDITION  
LOT 3 BLK 28, Hazelwood Addition, Fresno. Addition.  
Owner—F. P. Evangelho, 2902 Ventura St., Fresno.  
Architect—None.  
Contractor—C. E. Buckmaster, 1712 Lewis St., Fresno.  
COST, \$5500

DWELLING  
LOTS 4 AND 5 BLK 13, Fresno. Frame dwelling and garage.

Owner—Mike Vogt.  
Architect—None.  
Contractor—Carl Vogt, 849 "B" St., Fresno.  
COST, \$2000

ALTERATIONS  
"M" ST. EXTENSION, Fresno. Alter brewery.  
Owner—Fresno Brewing Co., Premises  
Architect—None.  
Contractor—Fred J. Stone, Mason Bldg., Fresno.  
COST, \$15,000

#### COMPLETION NOTICES.

##### Fresno County.

Recorded	Accepted
Recorded	Accepted
Oct. 30, 1919—LOTS 6 to 11 BLK 86 Fresno, Annie M. Hopkins to whom it may concern, Oct. 30, 1919.	
Nov. 1, 1919—V 10 FEET LOT 51, all Lot 52 E 10 feet Lot 53 Blk 15 North Park Terrace, Fresno. J. D. Shorb to whom it may concern, Oct. 28, 1919.	
Nov. 3, 1919—LOTS 8 AND 9 BLK 11, Fresno Heights No. 2. C. E. Brodgon to whom it may concern, Nov. 1, 1919.	

#### BUILDING CONTRACTS.

##### Santa Clara County.

COTTAGE  
PALM HAVEN AVE., San Jose. Five-room cottage.  
Owner—E. A. Bevins, 130 Coe Ave., San Jose.  
Architect—None.  
Day's work. COST, \$4000

COTTAGE  
PALM HAVEN AVE., San Jose. Five-room cottage.  
Owner—L. D. Bohnett, Bank of San Jose Bldg., San Jose.  
Architect—None.  
Contractor—E. A. Bevins, 130 Coe Ave., San Jose.  
COST, \$4000

CHURCH  
TWELFTH AND EMPIRE STS., San Jose. Frame and plastered church.  
Owner—Roman Catholic Church. Archbishop Hanna, 1100 Franklin St., San Francisco.  
Architect—C. S. McKenzie, Bank of San Jose Bldg., San Jose.  
Day's work. COST, \$12,500

WAREHOUSE  
TERRAINE AND BASSETT STS., San Jose. Wood and corrugated iron warehouse.  
Owner—Bean Spray Pump Co., Prem.  
Architect—None.  
Day's work. COST, \$4000

STORE BUILDING  
MARKET ST. NEAR POST ST., San Jose. Two-story brick store building.  
Owner—Hart & Son, Market and Santa Clara Sts., San Jose.  
Architect—Binder & Curtis, S-First St., San Jose.  
Contractor—W. J. Moore, 75 Duane St., San Jose.  
COST, \$17,342

DWELLING  
FIFTEENTH AND SAN CARLOS STS., San Jose. Eight-room dwelling.  
Owner—A. M. Whiteside, 71 S-19th St., San Jose.  
Architect—None.  
Day's work. COST, \$6000

COTTAGE  
NO. 669 N-TENTH ST., San Jose. Four-room cottage.  
Owner—D. Tramontana, 457 Jackson St., San Jose.  
Architect—None.  
Day's work. COST, \$900

ALTERATIONS  
THIRD AND SAN FERNANDO STS., San Jose. Alterations.  
Owner—J. Cappa, 279 E-St. John St., San Jose.  
Architect—None.  
Contractor—V. Maggio, 435 Bird St., San Jose.  
COST, \$2200

#### COMPLETION NOTICES.

##### Santa Clara County.

Recorded	Accepted
Recorded	Accepted
Oct. 30, 1919—SUNNYVALE, Mrs. Anna Irvine to Mt. View Home Builders, Inc., Oct. 20, 1919.	
Nov. 4, 1919—SAN JOSE, A. M. Whiteside to whom it may concern, Nov. 4, 1919.	

#### LIENS FILED.

##### Santa Clara County.

Recorded	Amount
Recorded	Amount
Oct. 24, 1919—FOURTH & JULIAN Sts., San Jose. D. H. McKenley and George C. Glans vs E. M. H. White, \$150.	

#### BUILDING CONTRACTS.

##### Sacramento County.

RESIDENCE  
NO. 861 NINTH AVE., Sacramento. One-story 4-room frame residence.  
Owner—F. Buckignani, 2012 11th St., Sacramento.  
Architect—None.  
Day's work. COST, \$1000

FRAME DWELLING  
NO. 3505 FORTY-SECOND ST., Sacramento. One-story 5-room frame dwelling.  
Owner—E. A. Thile, 1608 21st St., Sacramento.  
Architect—None.  
Day's work. COST, \$1700

FRAME DWELLING  
NO. 3105 "T" ST., Sacramento. Frame dwelling.  
Owner—W. L. Chatterton, 2111 28th St., Sacramento.  
Architect—None.  
Day's work. COST, \$4000

RESIDENCE  
NO. 1535 FORTIETH ST., Sacramento. Two-story 5-room frame residence.  
Owner—G. E. Summerville, 2104 "M" St., Sacramento.  
Architect—None.  
Day's work. COST, \$5000

DEPARTMENT STORE  
NO. 808 "K" ST., Sacramento. Six-story reinforced concrete department store.  
Owner—G. W. Cowan, 818 "J" St., Sacramento.  
Architect—MacDonald & Kahn, Rialto Bldg., San Francisco.  
Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.  
COST, \$125,000

ALTERATIONS  
NO. 614 "J" ST., Sacramento. Remodel store.

Owner—J. Lee & Co., Premises.

Architect—None.

Day's work. COST, \$4000

#### RTPAIRS

NO.512 "J" ST., Sacramento. Repair store.

Owner—Weinreich Est., 215 California Fruit Bldg., Sacramento.

Architect—None.

Contractor—G. Hudnutt, California Fruit Bldg., Sacramento.

COST, \$1560

#### ALTERATIONS

PORTION OF LOTS 5 AND 6, H, J, 1st and 2nd Sts., Sacramento. Alter and add to factory.

Owner—Capitol Candy & Cracker Co., 810 2nd St., Sacramento.

Architect—None.

Contractor—Mathews Con. Co., Forum Bldg., Sacramento.

Filed Oct. 31, '19. Dated Oct. 27, '19.

COST, \$24,994

#### GARAGE

NO. 1230 "H" ST., Sacramento. Private garage.

Owner—M. T. Hoffman, Premises.

Architect—None.

Day's work. COST, \$1000

#### COMPLETION NOTICES.

##### Sacramento County.

Recorded  
Nov. 4, 1919—N ¼ OF E ¼ LOT 4, "P" & 7th and 8th Sts., also N ¼ of W ½ of E ¼ Lot 4 "J" "K" 7th and 8th Sts., Sacramento. Peoples Savings Bank to whom it may concern. Oct. 28, 1919  
Recorded  
Nov. 5, 1919—LOTS 7 AND 8 BLK 10, Galt. Geo B McCauley to whom it may concern. Oct. 25, 1919

##### LIENS FILED.

##### Sacramento County.

Recorded Amount  
Nov. 3, 1919—NO. 620 "K" ST. on W ½ of E ¼ Lot 3, K, L, 6th and 7th Sts., Sacramento. W P Fuller & Co, \$870.16; Chas Van Hall, \$2101.25 vs Kate Turton et al.....  
Nov. 4, 1919—NO. 620 K ST., Sacramento. Henry F Nix vs Harriett A Knox et al.....\$200  
Nov. 6, 1919—W ½ OF E ¼ LOT 3, K, L, 6th and 7th Sts., Sacramento. H C Martin vs Harriett A Knox, Katie and Nellie Turton.....\$319.79

#### BUILDING CONTRACTS.

##### San Joaquin County.

#### FRAME DWELLING

SONORA AVE., Boggs Tract, Stockton.

Frame dwelling.

Owner—Stockton Land Association, Stockton.

Architect—None.

Day's work. COST, \$3000

#### FRAME DWELLING

S STANISLAUS ST., bet. Jackson and Clay Sts., Stockton. Frame dwelling and garage.

Owner—J. H. Cunningham, Stockton.

Architect—None.

Day's work. COST, \$2600

#### FOUNDATION

BLOCK "C," Stockton. Foundation.

Owner—Shell Oil Co., Inyo St., Stockton.

Architect—None.

Day's work. COST, \$8000

#### FRAME RESIDENCE

EAST HAZELTON AVE., bet. Sierra Nevada and East Sts., Stockton.

Frame residence.

Owner—N. E. Clegg, Stockton.

Architect—None.

Day's work. COST, \$1965

#### FRAME DWELLING

SONOMA AVE., Boggs Tract, Stockton.

Two frame dwellings.

Owner—Stockton Land Association.

Architect—None.

Day's work. COST, \$3000 & \$3200

#### FRAME DWELLING

COGONA AVE., ADDITION, Stockton.

Frame dwelling.

Owner—Mrs. Ray Shutes.

Architect—None.

Day's work. COST, \$3500

#### PRISCO TO THE FORE.

(From the Seattle Daily Bulletin).

That San Francisco is entitled to the slogan, "We never overlook an opportunity to increase our trade," becomes a greater truism with the passing of time.

Undaunted by the fact that Seattle's foreign trade is greater than her own she has gone blithely along, fully confident that eventually her efforts to increase her overseas commerce would be rewarded in placing her as the chief port of the Pacific Coast.

Her Chamber of Commerce, not content with the representation California has in Washington through its Senators and Congressmen, has for a number of years maintained a lobby at the national capital and that it has accomplished big things for San Francisco, even the Seattle Chamber of Commerce must admit as our importers, exporters and shipping interests do enthusiastically. Yes, enthusiastically, for the fair minded are always ready to admit achievement and accept it in a spirit in keeping with notable accomplishment.

San Francisco has its representative on the U. S. Shipping Board and Seattle is familiar with what Mr. Rosseter has done for his home town. It has a commission in Siberia which succeeded in having the headquarters for the Russian-American committee of the Far East established in San Francisco, regardless of the fact that Seattle is practically three days nearer Vladivostok than the California City. Through this office, San Francisco, in a day has become the clearing house for trade information on Siberia, the country Seattle expects will some day become one of its chief traders. With the handicap of distance over this city, San Francisco became the chief port for the forwarding of troops and supplies to the scenes of government military operations in Russia. Likewise the San Francisco Chamber of Commerce has become the clearing house for trade information of the Philippines and succeeded in inducing the island government to open headquarters there to stimulate commerce. Likewise, operating on the principle that where it could overcome Seattle's advantage of nearness to Siberia it could do so in trade with China and Japan it has a commission in the Far East which is doing much to stimulate trade between

Asia and California. Yesterday's despatches record the fact that the San Francisco Chamber has urged the American Chamber of Commerce in Mexico City, Rio de Janeiro, Valparaiso, Hongkong, Yokohama, Kobe and other points to form themselves into a central body for the expansion of American trade. An excellent suggestion. And San Francisco adds that it would co-operate in making the foreign trade department of the San Francisco Chamber of Commerce a clearing house for information from all foreign chambers.

San Francisco previous to the calling of the last convention of the National Foreign Trade Association in the east conducted a campaign among the business men to send representatives there and secure the 1920 convention for that city. It was an energetic campaign with the result that of all the cities in the nation it had the largest representation and landed the next convention with little opposition. San Francisco had over sixty representatives in attendance—Seattle less than a dozen.

The following rules relative to opening of bids have been agreed upon by the Cabinet Manufacturers Association and are effective November 1, 1919:

First. That all bids and estimates on all jobs from members of this Association will be furnished to Architects and Owners by the Secretary of this Association, and through him or her.

Second. The bids shall be opened and read in audible voice in the presence of the Secretary and as many of the bidders as may be present.

Third. The job must be awarded to the lowest bidder. No bids shall be considered unless they are delivered by the Secretary.

Fourth. In case a job is refigured none but the original bidders shall be allowed to refigure. No job, however, shall be refigured unless a substantial change has been actually made in the plans and specifications.

FRANK D. WORTH, Secretary, Office 546 Call Bldg., San Francisco.

None of the Spanish railways are fitted with block signals, nor, in fact, with any signal system. Commercial Attaché Chester Lloyd Jones writes from Madrid that there may be an opportunity for American signal companies to secure the adoption of some of their equipment.

Four hundred and seventy permits were issued by the Board of Public Works during the month of October, representing an expenditure of \$1,345,408, according to a report issued by Chief Inspector of Buildings John P. Horgan. For the same period during the year, 1918, the totals were 217 permits granted with a total valuation of \$310,305.

The following is a segregated list of the permits issued for the past month:

	No. of Bldgs.	Cost
Class	3	\$ 350,000
"A"	2	82,500
"B"	19	427,450
"C"	104	338,693
Frames	341	163,465
Alterations	1	3,300
Public Buildings		
Total	470	\$1,345,408

(Continued From Page 4.)

Applications for membership during the first thirty days of October totaled 1169. The total number of members passed by the qualifications Committee in this period was 873. The membership of the Association is now close to 8500.

The sub-committee of the American Association of Engineers on salaries of engineers in municipal service has been completed with S. C. Hadden, editor of Municipal and County Engineering, as chairman and with the following other members: John Ericson, consulting engineer of the Board of Public Works, Chicago; M. M. O'Shaughnessy, city engineer, San Francisco, California; O. Laurgaard, city engineer, Portland, Oregon; W. W. Horner, chief engineer, St. Louis, Missouri; E. R. Conant, consulting engineer, Savannah, Georgia; Geo. D. Fairtrace, city engineer, Dallas, Texas; Arthur B. Farnham, city engineer, Pittsfield, Mass.; George G. Earl, general superintendent, Sewerage and Water Board, New Orleans, Louisiana; P. C. Yohman, city engineer, Champagne, Illinois; L. B. Hitchcock, city engineer, Phoenix, Arizona; Guy H. Stevens, city engineer, Auburn, Maine; E. A. Ziesloff, city engineer, Akron, Ohio; O. E. Carr, city manager, Springfield, Ohio; W. J. Alexander, city manager, Gastonia, North Carolina; W. E. Baldry, city engineer, Topeka, Kansas; John C. Chambers, city engineer, Louisville, Kentucky; Arthur A. Reimer, consulting engineer, East Orange, New Jersey; F. L. Raschig of Cincinnati, Ohio; Q. Cannon, city engineer, Salt Lake City, Utah.

The committee estimates that there are in the neighborhood of fifteen thousand municipal engineers in the United States. It is expected that a municipal engineering schedule will be issued soon.

The Buffalo Chapter of the American Association of Engineers was installed by president F. H. Newell of the American Association of Engineers, on October 25th. The attendance at the banquet which preceded the installation was 116. The speakers were: S. J. Stone, toastmaster, consulting engineer, J. W. Cowper Company; Doctor F. H. Newell; F. E. N. Thatcher, district secretary of A. A. E. in Pittsburgh; H. P. Parrott, president of the Engineering Society of Buffalo; George Diehl, commissioner of highways, Erie County; Robert Cundall of the firm of Cundall, Powell & Mosher, engineers and contractors; and B. H. Williamson, acting president of the Buffalo Chapter.

George Diehl spoke very favorably of the association and urged engineers to join.

The Chapter had an initial membership of 113.

#### AMERICAN ASSOCIATION OF ENGINEERS, SACRAMENTO CHAPTER

The November meeting of the Chapter was held Tuesday evening, November 4th in Room 515, Forum Bldg.

The Program Committee desires to announce the following program for the season 1919-1920.

Tuesday, December 2, 1919—"Sacr-

mento-Suisun Ship Canal," Major P. M. Norboe, Assistant State Engineer, who has made an extended study of this subject, will give a report on it.

Tuesday, January 7th, 1920—"Iron Canyon Project," Mr. S. W. Curtis, Assistant State Engineer, under whose direction extended surveys of the project are being made, will outline the proposed development.

Tuesday, February 4th, 1920—"State Reclamation Work," by Mr. Melville Dozier Jr., General Manager, Reclamation Board of California.

Tuesday, March 4th, 1920—"Engineering Features of Natomas Consolidated," by Mr. R. G. Clifford, Chief Engineer Natomas Consolidated of California.

Tuesday, April 1st, 1920—"The Sacramento Pure Water System." Speaker to be announced later.

Tuesday, May 6th, 1920—"Federal Legislation Relative to a National Highway System and Federal Aid in the Construction of State Highways." Speaker to be announced later.

Tuesday, June 3rd, 1920—"The Sacramento Union Depot Problem."

Other subjects which will probably come up for discussion during the year in addition to the special program arranged for each meeting are as follows:

"A Bill for Licensing Engineers."

"The Future of the Sacramento River."

"Overtime for Engineers."

"Re-Classification of Federal Engineering Salaries."

Reserve the first Tuesday in every month for Chapter Meetings. The special programs here outlined will be of interest to all and in addition important topics of current interest will come up for discussion every meeting.

If you have any subject which you desire to have discussed tell the Program Committee. Invite your Engineer friends to Chapter Meetings. They are open to every one. If the Engineers of Sacramento are to have any influence they must act together, and to act understandingly there must be full and free discussion.

#### Program Committee.

W. S. Caruthers, President; H. A. Lathrop, Secretary; T. E. Stanton, Chairman; F. P. Basler; J. D. Waltherman.

#### AMERICAN ASSOCIATION OF ENGINEERS, FRESNO CHAPTER.

Minutes of meeting held at the Fresno Commercial Club, October 18, 1919:

The meeting was called to order by Vice President F. B. Pope with about 40 members present. The minutes were read, after which the following committees were appointed as approved by the Executive Committee on Oct. 11:

Membership—W. B. Darling, Chairman; Norman Coote, L. A. Bachelder, E. Williams.

Publicity—G. E. Winton, Chairman; H. F. Briggs, R. N. Hocker.

Legislation—F. B. Pope, Chairman; W. F. Rantsma, Andrew Jensen.

Employment—Edgar C. Smith, Chairman; B. E. Chamberlain, R. E. Cowell, H. H. Burton.

Program and Entertainment—A. R. Morrison, Chairman; C. L. Kaupke, Wm. Stranahan, J. A. Ross.

Each Committee member was asked to rise to be recognized as his name was called.

Mr. W. P. Boone, member of the State Irrigation Board, and Executive Secretary of the Kings River Conservation District, was then introduced and addressed the meeting. He gave a brief resume of the present irrigation legislation in California, dealing particularly with the Conservation District Act under which the Pine Flat project is going forward. He told of the possibilities and plans of the Pine Flat project, showing the benefits to be derived by the engineer as well as the farmer.

M. S. & C. that a vote of thanks be extended to Mr. Boone for his interesting address.

The proposed schedules of salaries for State Highway Engineers, as suggested by the A. A. E. Committee was read, and various members discussed the unionizing of draftsmen, which met opposition from most of the members present.

The meeting then adjourned.

JEAN L. VINCENZ,  
Secretary.

P. O. Box 922.

#### UNITED STATES CIVIL SERVICE EXAMINATIONS.

Structural Steel Draftsman and Designer (Male), \$2,400.

December 9, -1919.

Master Machinist, Armor Piercing Projectiles, \$12.40 Per Diem.

Master Machinist, Guns up to 6-inch, \$12.40 Per Diem.

Master Machinist, Guns Above 6-inch, \$12.40 Per Diem.

(Male)

December 9, 1919.

Mineral Geographic Aid.

Mineral Geographer.

December 10-11, 1919.

Inspector (Mechanical), Male.

Inspector (Electrical), Male.

Inspector (Mechanical and Electrical), Male.

December 16, 1919.

Mechanical Assistant in Refrigeration (Male).

December 9, 1919.

Engineer of Tests (Male)

December 9, 1919.

Applicants should apply at once for Form 1312, stating the title of the examination desired to the Civil Service Commission, Washington, D. C., or Post Office, San Francisco.

#### COMPENSATION FOR ENGINEERS.

(Continued From Last Week.)

Labor, referring to the unskilled and to the purely physical portion of skilled labor, must be paid a living wage commensurate with the need for keeping a sufficient force to meet the needs of the industry. This will vary with the type of industry and even in the departments of the industry. It is best determined by experience, and should be subject to adjustment from time to time by the board of directors of the industry. The wages of labor should be included in the cost of operation.

Brains, referring to the executives, engineers and that portion of labor engaged in work requiring mental alertness, thought, imagination, invention, etc., should be paid a minimum wage which will enable a purely brain worker to live decently and sup-

port and educate an average American family. This minimum wage will vary with the community and should be determined for each community by the joint action of the boards of directors of the industries in that community. It should be subject to review annually or oftener if the cost of living fluctuates violently. The wages of brains should be included in the cost of operation.

We have now provided for the wages of capital, labor and brains, and have allotted them to the cost of industry. In addition, the items of depreciation, taxes, insurance, employees' benefits, raw materials, sales and advertising expense and other commonly accepted items of operating and fixed charges should be included in the costs of operation.

The presence or absence of profits in an industry is determined in unregulated industries by the degree of excellence attained by the one element Brains. This is the only element that leaves a permanent imprint of its character on the product. Capital is inert; labor is purely physical and subject to direction; brains applies capital in the form of tools and directs physical labor in their use to turn out the finished product. To the degree that Brains is rewarded will Brains produce profits and attract more Brains into the industry. Brains is continually striving to better the product, reduce the economic wastes, increase the output and invent new processes and new products. Brains is the one element of the tripod that responds readily to encouragement. It is appreciative, loyal, energetic and willing to accept responsibility. It has faith in its industry, expects to remain in the particular industry for life and willing to rely on its own efficiency to secure rewards. It is not fluid but quite stable, and deserts one industry for another only after complete failure to make that industry pay. It is not envious of the other elements; it desires peace above all in industry; it seeks its reward in the satisfaction obtained in its work. It should be paid an additional compensation in the shape of profits accruing to the industry from the efforts of itself alone. It should have a voice in the direction of the industry in order to direct that industry along profitable lines. This voice should be compelling and powerful as it emanates from the responsible element of industry. Let the capitalist not fear that this voice will drown his own as he will be equally represented on the board of directors, and will often be an employee of the branch representing the brains of the industry.

There should be no objection to giving a small per cent of the profits to

Labor as an inducement to aid Brains in the efficient operation of the industry. Thus employees performing only physical labor or partly physical labor would be paid a bonus based on the distribution of a portion of the profits. The per cent allotted for the purpose is a matter for the board of directors to decide. It should be determined on the basis of increased efficiency gained by the industry when the workers participate in the profits. At least one director should be interested in the personnel of the industry and voice the needs of the unskilled laborer.

The remainder of the profits should go to the Brains element of the industry in those industries where there is an assured market for the products and where it is relatively easy to secure capital on account of the security and long life of the investment. In industries serving a doubtful market or having a doubtful tenure of life or requiring a relatively large margin between bonded debt and physical valuation, it is necessary that a portion of the profits be given to the stockholders who have supplied this margin in the form of capital paid for stock. Thus, in addition to the regular wage payment to capital (interest) invested in stock, we should distribute a portion of the profits to the stockholders. The allotment of the portion of the profits of the stockholders should be determined by the board of directors as governed by the necessities of the times. It should be large enough to prevent any depreciation of the real value of the stock, considering the real value as that value obtained by taking the difference between the bonded indebtedness and the physical value of the industrial plant (liberally ascertained to include all reasonable elements of value, not cost), and dividing this difference by the number of shares of stock.

The remaining profits should be distributed by the board of directors among the Brains element in a manner fair and equitable, but in proportion to the extent that an individual has contributed to the gaining of the profits. In regulated industries, commission control is expected to prevent the gaining of profits beyond a reasonable amount. At present interest plus profits are required to be not higher than 8 per cent and are often much less. Brains must attempt to secure for the regulated industry enough increase to have a substantial profit to divide. Otherwise Brains must be rewarded on the same basis as Labor, by wages only. This is detrimental to those industries, as Brains does not then have the proper incentive to operate efficiently. Brains prefers to receive a set compensation or a minimum wage and a reward based on its ability.

The foregoing discourse is an ideal toward which existing industries can work. The sudden introduction of this system would be disastrous in those industries working on a system radically different. It would help toward obtaining an answer to the problem, if the wages and profits of the three elements were computed for a number of industries by the proposed system and compared directly with the existing wages and profits to each individual concerned under the present system.

This paper is presented to the American Association of Engineers as one method of answering the question, "What should engineers be paid?" The writer hopes others will express their thoughts so that the Associated Committees will have something basic on which to build their structure of engineers' salaries and which all engineers can endorse publicly and endeavor to have adopted as a guide.

V. D. COUSINS.

San Francisco.

CLEVELAND, Ohio.—Direct action to cut the cost of home building here by eliminating what is known as the "second mortgage broker" has been taken by the Cleveland Building Trades Council. Already all workmen have been withdrawn from four homes in course of construction. Charles Smith, business agent of the council announced, and he added that the jobs would be tied up until the owners and contractors removed the mortgage operators.

Smith estimated the second mortgage broker add from \$500 to \$600 to costs of an \$8000 home.

"The second mortgage broker is a by-product of the war and 25,000 building operatives have determined that for the good of the community he must be eliminated. He is a man who arranges the loan to the man who is building, starts them off and then gets a "rake-off" from contractors and the people who supply the materials," Smith declared.

James O. Devitt, treasurer of a large trust and title company, said the action of the trades council was "revolutionary" but admitted the second mortgage business unquestionably added to building costs. He placed the blame on the people, who he says, borrow money to build before they are prepared.

MONTREAL—All public buildings in Montreal must be of fireproof materials, and any future alterations must be fireproof. This applies to theatres and boarding school as well as large stores and apartment houses.

Telephone Douglas 5114

## Valley Tie & Lumber Co.

Manufacturers and Wholesalers

### Pacific Coast Lumber Products

General Office: Eugene, Oregon

F. S. NOLAND, Resident Manager

S.F. Office: 401 Balboa Bldg.

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

### JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street San Francisco

### Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock

Doors, Sash Frames and Mouldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

### FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

### HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLACK  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPE  
DOUGLASS-PALM-OAK  
QUARTERED OAK-  
WYBROOK-BENDING OAK  
POPLAR-WALNUT



BOXWOOD-EBONY-IRONBARK  
JENISERO-KOA-SPANISH CEDAR  
LIGNUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SITTED-BIRCH-CRANBERRY  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBROOK VENEERED PANELS  
DOWELS-TREENAILS-VENEERS

### WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

### PIERCE-BOSQUIT Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

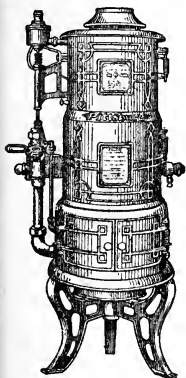
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., November 19, 1919

Published Every Wednesday  
Nineteenth Year, No. 47



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

**Frank J. Klimm  
PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill.	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago	TREASURER
C. E. DRAYER	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almerl, Consulting Eng., Chicago.
R. Burnham, Consulting Eng. Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry. Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co.	THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles.....W. P. R. R.
F. Johnston.....Union Const. Co.
L. D. Howland.....C. C. Moore Co.
I. G. Grundel.....Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown.....S. P. R. R.
E. E. Crane.....C. M. & P. S. Ry.
P. J. Rowell.....I. C. C.

### COMPENSATION COMMITTEE

G. M. Nelson.....Consulting Eng.
E. V. Vandercook.....S. P. R. R.
W. T. Cleland.....
Chief Dep. Sur. Santa Clara Co.
V. D. Cousins.....P. T. & T. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp.....S. P. R. R.
EMPLOYMENT REPRESENTATIVE

### MEMBERSHIP COMMITTEE

D. L. Reynolds.....Pac. Fruit Ex. Co.
J. Amweg.....Consulting Eng.
W. H. Rupp.....S. P. R. R.
E. D. Brown.....Redwood Mfrs. Co.
Clarence D. Stone.....S. P. Co.
A. B. Hartley.....S. P. Co.
H. W. Shrieber.....City of Oakland.
F. E. Gelbel.....S. P. Co.
C. B. Newberry.....Inter. Com. Com.
J. F. Johnston.....Union Const. Co.
E. V. Vandercook.....S. P. Co.

### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....S. P. Co.
O. R. West.....A. T. & S. F. Co.
W. S. Wollner.....N. W. P. Co.

### QUALIFICATION COMMITTEE

W. H. Phelps.....S. P. Co.
O. R. West.....A. T. & S. F. Co.

### PUBLICITY COMMITTEE

E. D. Brown.....Redwood Mfrs. Co.
G. M. Nelson.....Consulting Eng.

### POLITICAL COMMITTEE

E. H. Herbert.....Oliver Mfg. Co.
-----------------------------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHAPTERS & CLUBS:

### SACRAMENTO CHAPTER

Lathrop, H. A.....Secretary
1321 Thirty-third St.,
Sacramento - California

### LOS ANGELES CHAPTER

Harris, A. L.....Secretary
1104 Central Building
Los Angeles - California

### PORTLAND CHAPTER

Barnes, R. W.....Sec. & Treas.
36 Union Station
Portland - Oregon

### FRESNO CHAPTER

Jean L. Vincenz.....Secretary
P. O. Box 922
Fresno - California

### SAN DIEGO CHAPTER

Grumm, Fred.....Secretary
2898 Spruce Street
San Diego - California

### SAN BERNARDINO CLUB

Woods, M. A.....Secretary
608 Tenth Street
San Bernardino - California

### EUREKA CLUB

Howard, F. W.....Secretary
Eureka - California

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
550 Mission Street.  
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEAD-QUARTERS.

The following editorial from the Birmingham (Alabama) News is a splendid illustration of the growing appreciation on the part of the public of the invaluable services which engineers can render in public service and in industry. It is only one of the several editorials which have come to our notice within the last few days:

### THE FUTURE OF THE ENGINEER: A BROAD VISION OF SOCIAL NEEDS.

Those of us who are accustomed to think of an engineer simply as a gentleman with muddy clothes and leggings squinting at rodmen and chainmen through a transit, or as a man sitting in the window of a locomotive, or as a soot-bellied captain of a mass of power machinery supplying light for a municipality, have rarely missed the broad meaning of the word "engineering." As a matter of fact, engineers are beginning to take hold of government; and although there are sorry engineers here and there, the age is one in which the political novice, the lawyer, the financier, even the so-called "business man" is yielding place to the great specialists in community service.

Because your modern engineer is the doer of things. He has the broad ideas of construction, economy, fitness, proportion, simplicity, even beauty.

Engineering nowadays covers a vast field, but there are virgin fields for him to explore. For example, consider the opportunities for the trained engineer in civic-building: Suppose the municipalities of America such as Birmingham had given as much attention to economy as the great corporations have. Suppose Birmingham were provided with corporation engineers; men of broad vision; men not concerned at all with political climbing; not concerned at all with pleasing certain groups of folks or in rendering political favors, but men whose minds were untangled with any concern save only to give the fruit of their training in engineering Birmingham out of debt; in perfecting a system of permanent drainage at the smallest possible price; in serving in all broad economic ways.

The meeting last week of the Birmingham branch of the American Association of Engineers was featured by an address on Associationometry, which, while a comparatively new word to masses of our citizens, will be heard of more and more as municipali-

ties put away old forms of political government and look to relief of their civic problems by trained specialists—engineers.

The address by Dr. Kugelman, head of the department of chemistry at Howard College, showed that the effectiveness of engineer's work depends first upon "diagnosis" of the problems, and second, "operating" on those problems. Your civic engineer is the physician to whom one must look for cure of group-maladies. The scientist said in part:

"The great trouble with all the technical associations is that they have fallen into a rut and it is hard to jog them out of it. They only serve the technical life of the engineer. The engineer, by virtue of his great training and experience, can serve in natural affairs. He can put the city government on an economic basis as he manages the industries. Why not have engineers serve the people efficiently without the political tangles and schemings of the lawyers? The days of the need for lawyers as the city officials is gone.

"The American Association of Engineers is pushing engineers to the front to serve. They are studying all problems in the schools, engineers' life, in the industries, in the government and the needs of the community. A central administrative office is the clearing house, and executives act through paid representatives all over the country. Action is the salvation."

Take the United States Steel Corporation as a monument to the strong light work of engineers—men trained in every department: Suppose Birmingham were governed by engineers—which, being interpreted, means men who know

## UNITED STATES CIVIL SERVICE EXAMINATION.

Town Manager. \$2,400; December 16, 1919.

Airplane Test Pilot (male). \$3,000. December 16, 1919.

Electrical and Mechanical Engineer (male). December 16, 1919.

Mechanical Aid (male). December 16, 1919.

Meteorologist (male). Grade 1, \$1,600 to \$2,200 a year; grade 2, \$2,200 to \$3,000 a year. December 23, 1919.

Applicants should apply at once for Form 1312, stating the title of the examination desired to the Civil Service Commission, Washington, D. C., or Post Office, San Francisco.

## ALASKA PRODUCES TIN.

The tin mines of Alaska produced 136,000 pounds of tin, valued at \$118,000, in 1918, according to the U. S. Geological Survey, Department of the Interior. These figures may be compared with 200,000 pounds, valued at \$123,300, in 1917. The decrease in output in 1918 was due to the fact that only one dredge was operated. Additional tin, however, was recovered by sluicing. The first important production of Alaska tin was reported in 1902, when the output was 15 tons. Since 1912 the average has been over 100 tons annually.

The recent discovery of placer tin has been reported from Potato and Humboldt creeks, on Seward Peninsula, and from Moran Creek, a tributary of Melozli River, where the gravels are said to contain 2½ pounds of tin and 10 cents' worth of gold to the cubic yard.

## PLUMAS FOREST ROADS TO BE IMPROVED BY GOVERNMENT.

Approximately \$800,000 Will Be Spent in Next Ten Years, Says Engineer.

QUINCY, Cal.—According to J. C. Dort, Assistant District Engineer for the Forest Service, who has just made an extended trip over the southern Sierra forests, the tentative plan for the Plumas reserve, based on a period extending over the next ten years, contemplates the reconstruction and repair of fourteen roads with the possible expenditure of \$800,000.

This involves not only the present county roads but more than a hundred miles of road in the eastern section of the forest not under the jurisdiction of the county.

That the Government is going to take definite action in the maintenance and reconstruction of the roads within the National Forest is the deduction of local highway officials.

## CHICO MATCH COMPANY TO IMPROVE HOLDINGS.

CHICO, Butte Co., Cal.—The Diamond Match Co., Chico, has decided to proceed with extensions to its present holdings in Chico by carrying out its construction program planned before the war.

The company will purchase considerable machinery and will erect a planning mill, box factory, sash and door factory, two new office buildings and other minor improvements which will bring the cost to about \$200,000.

## HEAVEN ON EARTH.

When a debtor in Siam is 3 months in arrears he can be forced by the creditor to work out his indebtedness. If he runs away, his father, wife or children may be held in slavery until the debt is canceled.

## VISALIA BRICK FIRM LOCATES IN FRESNO.

The Fresno Herald of November 6th, publishes the following:

"Entrance of a new brick manufacturing company into Fresno became known today when it was learned that the Pioneer Brick Company of Visalia had purchased the Harry C. Wilbur ranch, four miles east of Fresno on the Sanger branch, and had already begun erection of machinery and buildings.

It is understood that the Wilbur property, consisting of 80 acres, was sold for approximately \$100,000. Spur tracks are being constructed at this time, and within a few weeks the plant will be ready for operation.

Shortage of suitable clay for brick making has resulted in forcing some of the companies to haul the material for long distances. It was learned that samples were taken from the Wilbur property as early as five years ago.

The owners of the concern are J. W. Fewel and John Etzenhouser. Fewel is tax collector of Tulare County and owns abstract concerns in Visalia and Modesto. He has acquired a new home in the Porter tract and will make his home in this city."

## SECURED.

HAYFORK, Trinity Co., Cal.—Farmers of Hayfork valley have subscribed \$1000 to a fund for employing a surveyor to make a preliminary survey for the proposed Hayfork irrigation district. The district will include about all the farming land in the valley of Hayfork creek and will be the first irrigation district in Trinity county. T. F. Morrissey of Hayfork, a large landowner, is at the head of the enterprise.

## LOCAL FIRM SECURES MODESTO IRRIGATION CONTRACT.

MODESTO, Stanislaus Co., Cal.—The Directors of the Modesto Irrigation District, Percy Jones, Chief Engineer, have awarded a contract to J. Soukas, 303 3rd St., San Francisco, for enlargement and lining of the upper main canal of the Modesto Irrigation District between Mill Gulch Fill and the secondary gates.

The work was divided into two sections as follows:

## Section A

J. Soukas .....	\$24,950.00
Cotton-Macaulay .....	27,227.50

## Section B

J. Soukas .....	\$24,250.00
Cotton-Macaulay .....	24,725.00

The contracts call for the excavation of 6350 cubic yards of dirt, laying of 500 yards of plain concrete, 200 yards of reinforced concrete and the removal of 50 cubic yards of reinforced concrete in each of the two sections.

## SIDEWALK WORK PLANNED.

SALINAS, Monterey Co., Cal.—The City Council, M. R. Keef, City Clerk, has passed a resolution of intention providing for the construction of ce-

ment concrete sidewalks in North Main street. The walks will be of cement concrete construction 5 feet wide.

## IRRIGATION CANAL ENLARGEMENT ORDERED.

MODESTO, Stanislaus Co., Cal.—The Board of Directors of the Modesto Irrigation District has instructed Chief Engineer Percy Jones to proceed with the enlargement of the upper main canal at a cost of approximately \$60,000.

The improvement will be between Mill Gulch and the secondary gate, a distance of 4165 feet. The capacity of the canal will be increased from 1300 to 1700 second feet of water.

## S. F. STREET IMPROVEMENT CONTRACTS AWARDED.

The construction of sewers and appurtenances through the Presidio Reservation from Locust street northeast to beginning of existing tunnel and from end of existing tunnel to Union street.

Awarded to Hickel & Harmon, 1230B Green St. Contract price, \$12,445.59.

The improvement of Ulua street between the westerly line of West Portal Park tract to the easterly line of Fifteenth avenue by grading; construction of concrete curbs; artificial stone sidewalks; brick catchbasins; asphaltic concrete pavement, etc.

Awarded to Fay Improvement Co., Phelan Bldg. Contract price, \$8,841.85.

## NEW DATE FOR FRESNO COUNTY COMFORT STATIONS.

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to December 5th, 2 P. M., for the construction of a women's comfort station to be erected in the Court House Park.

Separate bids will be received on the same date for the construction of a men's comfort station to be erected in the Court House Park.

It was at first planned to take bids segregated, but this plan has been abandoned.

Both buildings will be of reinforced concrete construction. Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

## TO BOND FOR MEMORIAL AUDITORIUM.

STOCKTON, San Joaquin Co., Cal.—Mayor A. C. Cullahan states that the proposition to vote bonds with which to finance construction of a municipal auditorium as a memorial to the Stockton boys who gave their lives in the world war will be placed on the next city ballot.

## SCHOOL BONDS VOTED.

CUPERTINO, Santa Clara Co., Cal.—Bonds of \$75,000 have been voted to finance construction of a ten-room school building for the Cupertino School District.

## SCHOOL BONDS CARRY.

HANFORD, Kings Co., Cal.—The \$350,000 bond issue to finance construction of a new high school building have been voted by the Hanford Union High School District.

Bonds of \$115,000 were recently voted by the Hanford Grammar School District with which to erect two new grammar schools.

## DATE FOR BUTTE COUNTY HIGHWAY ELECTION SET.

OROVILLE, Butte Co., Cal.—December 16th is the date set by the County Supervisors, C. F. Belding, County Clerk, to decide the question of issuing and selling bonds of \$1,800,000 with which to build a modern county highway system.

## FRESNO COUNTY ROAD REPAIR PLANNED.

FRESNO, Fresno Co., Cal.—On recommendation County Highway Engineer Chris. P. Jensen the Supervisors have decided to repair the Auberry-Huntington Lake Road on the stretch from the Shipp Ranch to Auberry, the funds to be secured from the recent county highway bond issue.

It is proposed to widen the road, eliminate short pitches in grade, provide proper drainage, lessen curves and crowning it for the entire length, 22 miles.

## FIRE HOSE CONTRACT AWARDED.

TRACY, San Joaquin Co., Cal.—The City Trustees have awarded a contract to the Pioneer Rubber Mills for furnishing and delivering to the town 500 feet of 2½ inch fire hose at 97 cents per foot.

## PARK FENCE CONTRACT AWARDED.

CHICO, Butte Co., Cal.—A contract has been awarded by the Bidwell Park & Playground Commission to E. Goble, Chico, to construct a wire fence around the entrance to the park at the cemetery bridge.

## SEPTIC TANK CONSTRUCTION PLANNED.

SANTA ROSA, Sonoma Co., Cal.—The City Engineer, at the last meeting of the City Council, submitted a report on the construction of a septic tank at the sewer farm. The report provided for the construction of a reinforced concrete tank unit, 15 feet by 400 feet, the cost being about \$8,500.

Owing to certain materials now in the hands of the city it is planned to reduce the cost by using these and the City Engineer was instructed to look into the matter.

## PLAN TO ERECT LARGE COMMERCIAL BUILDING.

SAN FRANCISCO.—A Client of Buckbee, Thorne & Co., has purchased the lot on the SE corner of Mission and Fremont streets and contemplates erecting a six-story reinforced concrete commercial building. No architect has been selected.

## SAN JOSE ARCHITECTS TO DISCUSS SCHOOL IMPROVEMENTS.

SAN JOSE, Santa Clara Co., Cal.—The following architects have been invited by the City Board of Education to discuss the need of additional buildings for the high school to accommodate 1000 pupils who will be obliged to continue their education under the compulsory education bill:

Binder & Curtis, William Klinkert, Louis Lenzen, Charles McKenzie, W. C. Phillips, Warren Skillings Wolfe & Higgins, Higbie & Hill and Herman Krause.

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

Plans Prepared. To be Done by Days Labor.

APARTMENTS Cost, \$60,000  
LONG BEACH, Los Angeles Co., Cal.  
Nos. 342-344 Pine Avenue.

Three-story brick and hollow tile store and apartment building.

Owner—Helen Lange, Grace Harris and Lima Dickinson of Pasadena.

Architect—H. H. Lochridge, Moody Bldg., Long Beach.

Contract Awarded.

ALTERATIONS Cost, \$4,000  
EUREKA, Humboldt Co., Cal. Cor. D and Brett Streets.

Alter frame building into apartments.

Owner—Mrs. Alex Connick, 1428 E St., Eureka.

Architect—Not Given.

Contractor—R. J. Minnie, Eureka.

Preliminary Plans Being Prepared.

APARTMENTS Cost, \$100,000  
SALEM, Oregon.  
Two-story apartment house, 220x165, (57 apartments.)

Owner—Chester Murphy, Attorney, Yeon Bldg., Portland, Ore.

Architect—W. C. Knighton, U. S. Bank Bldg., Portland.

NOTE.—Type of construction has not yet been decided upon.

#### BANKS

Contract Awarded.

ADDITIONS Cost, \$—  
HANFORD, Kings Co., Cal.  
Temporary additions for banking quarters (3000 square feet).

Owner—Farmers' & Merchants' National Bank, Hanford, Cal.

Architect—Ernest J. Kump, Rowell Bldg., Fresno.

Preliminary Plans Being Prepared.

BANK, OFFICES, ETC. Cost, \$100,000  
HANFORD, Kings Co., Cal. 7th and S. Douly Streets.

Four-story fireproof bank, offices and (4) stores.

Owner—Farmers' & Merchants' National Bank, Judd Smith, Director, Hanford, Cal.

Architect—Ernest J. Kump, Rowell Bldg., Fresno.

NOTE.—Construction will not be started for at least six months.

#### BONDS.

FAIRFIELD, Solano Co., Cal.—Owing to several petitions being received asking road improvement the County Supervisors are considering a county bond election to secure funds with which to construct a modern county highway system.

PRINEVILLE, Cook Co., Ore.—The \$220,000 county road bond election carried here recently.

HOLLISTER, San Benito Co., Cal.—A petition will be presented to the County Supervisors asking the calling of an election to vote bonds of \$15,000 with which to erect a new school building in the Fairview District.

CHICO, Butte Co., Cal.—Bids will be received by the County Supervisors, C. F. Belding, County Clerk, up to November 24th, for the purchase of the \$140,000 bond issue of the Chico Union High School District. Proceeds of the sale will finance construction of a new high school building, plans for which have been prepared by Architects Woollett & Lamb, Physicians Bldg., Sacramento.

MARYSVILLE, Yuba Co., Cal.—A petition will be presented to the Supervisors in the near future asking the consolidation of three school districts. The Honcut, Prairie and Woodruff. After consolidation a bond election will be called to finance construction of a modern school building.

DAVIS, Yolo Co., Cal.—Bonds of \$75,000 were voted here recently to finance construction of a municipal water plant, plans for which have been prepared. It is the intention of the Trustees to call for bids on the proposed plant as soon as the bonds have been sold.

SAN MATEO, San Mateo Co., Cal.—The bond issue for \$438,000 to finance municipal improvements was defeated at a recent election. The following improvements were planned under the issue, had it carried:

For a municipal water plant, \$400,000.  
For a new auto fire engine, \$14,000.  
For a box fire alarm system, \$24,000.

HANFORD, Kings Co., Cal.—Bonds of \$115,000 with which to finance construction of two new grammar school buildings have been voted.

SANTA MONICA, Los Angeles Co., Cal.—An election will be held December 2 to vote on issuing \$75,000 bonds for improvements to the municipal water system including the laying of five mains and distributing pipe.

RICHMOND, Contra Costa Co., Cal.—Lacking 366 votes the Richmond Harbor Bond Issue with which to secure funds to finance harbor improvements failed to carry.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—The County Supervisors have set December 16th as the date to vote bonds of \$1,500,000 with which to construct a system of good roads. This will be the second election on the highway question, the other being defeated by a large vote.

Should the bonds carry the following roads will be constructed:

District No. 1.  
San Miguel bridge.....\$115,000  
Paso Robles-Estrella road..... 7,000  
San Miguel-Estrella road..... 6,000

Paso Robles-Creston road..... 15,000  
State highway through Paso Robles..... 50,000  
Paso Robles-Cambria road..... 3,000  
Mustang Springs road..... 2,000  
San Miguel-Lynch road..... 3,000  
Shandon bridge..... 44,000  
Cayucos road..... 5,000

#### District No. 2.

Coast highway.....\$545,000  
Morro-Atascadero road..... 15,000

#### District No. 3.

Los Osos road.....\$ 20,000  
San Luis Obispo roads..... 85,000

#### District No. 4.

Oceano-Arroyo Grande road...\$ 30,750  
Arroyo Grande-Huasna road... 112,750  
Nipomo-Guadalupe bridge road 69,700  
Ontaria House-Avilla road.... 16,400  
San Luis Obispo-Edna road.... 32,800  
Arroyo Grande-Edna road..... 5,000  
Town of Pismo road..... 5,000  
Arroyo Grande-Berros road.... 5,000  
Corbitt Canyon road..... 12,600

#### District No. 5.

Santa Margarita-Pozo road....\$100,000  
Pozo-San Juan grade road.... 85,000  
Templeton road, west..... 24,000  
Templeton road, east..... 16,000  
Morro-Atascadero road..... 25,000  
Atascadero traffic way..... 12,000

#### TO BOND FOR GREEK THEATRE.

PORTERVILLE, Tulare Co., Cal.—The Park Commission has recommended to the City Council a bond issue for \$50,000, with which to finance construction of a Greek Theatre and a municipal auditorium in Luther Burbank Park, as a memorial building.

SAN ANSELMO, Marin Co., Cal.—The Town Attorney has been instructed to prepare the necessary papers calling a bond election for \$142,000 for the improvement of roads in the Town of San Anselmo and for a \$65,000 issue for the construction of bridges that must be built under the proposed road improvements.

#### CHURCHES

Plans Being Prepared.

CHURCH Cost, \$45,000  
CALEXICO, Imperial Co., Cal.  
Frame and stucco church, 50x115.  
First Methodist Church.

Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

Plans to be Prepared. Site Purchased.

CHURCH Cost, \$—  
MERCED, Merced Co., Cal.  
Fireproof church building (site 100x150)

Owner—Bethel Methodist Church.

Rev. S. M. Cheek, Pastor, Merced.

Architect—Not Yet Selected.

The final payment for the site is now being raised. After payment for the site a campaign will be made to secure funds for the erection of the church building.

## Contract to be Awarded.

**CHURCH** Cost, \$62,000  
**FRESNO**, Fresno Co., Cal.  
 Three-story and basement reinforced concrete church.

Owner—Japanese Buddhist Church, 835 "E" St., Fresno.  
 Architects—W. C. Hays and T. Kurahashi, Associated, First National Bank Bldg., San Francisco.

A. D. Collman, 110 Jessie St., San Francisco, is the lowest bidder at approximately \$62,000, and will be awarded the contract.

## FACTORIES AND WAREHOUSES.

Completing Plans.  
**BUILDINGS** Cost, \$750,000  
**OAKLAND**, Alameda Co., Cal.

Six reinforced concrete buildings from 1 to 5 stories high (woolen mill).  
 Owner—Federal Wool Mfg. Co., Edwin P. Hulme of San Francisco, President and Manager of Construction—Geo. Wagner, 251 Kearny St., San Francisco.

Reinforcing steel awarded to Truscon Steel Company.

**LOS ANGELES**, Cal.—Another of the largest automobile tire manufacturing concerns in the United States is seeking a site for a big factory at Los Angeles. It was definitely learned that C. M. Hamill, a special representative of the Firestone Tire & Rubber Company, is now on his way from this city to Akron, Ohio, with maps and prices of tentative sites for a factory to be built here with a daily capacity of about 3000 tires.

Plans Being Figured.

**FACTORY** Cost, \$—  
**LOS ANGELES**, Cal. Santa Fe Avenue  
 Bet. 8th and 9th Streets.

Three-story reinforced concrete factory building, 80x150.

Owner—Wm. C. Curtis and A. Shorten.  
 Lessee—L. A. Paper Box Mfg. Co.  
 Architect—L. A. Smith, 621 Investment Bldg., Los Angeles.

Segregated Figures Being Taken.

**FACTORY** Cost, \$15,000  
**OAKLAND**, Alameda Co., Cal. S Eighth Street near Clay.

Two-story reinforced concrete factory.  
 Owner—Fred Thomas (Awning Mfr.).  
 Architect—A. W. Smith, 1010 Broadway Oakland.

Plans to be Revised and Refigured.

**MFG. PLANT** Cost, \$225,000  
**OAKLAND**, Cal. 29th Avenue and E-11th Street.

Three one-story reinforced concrete buildings. Administration, 50x100; Welfare Bldg., 50x250, and Plant Bldg., 250x450 for jam and jelly manufacturing plant (1st unit.).

Owner—A. W. Palfreyman for H. Jones & Co., Ltd., Australia.  
 Architect—Washington J. Miller, 417 Market St., San Francisco.

Work Started.

**BLEACHER HOUSE** Cost, \$100,000  
**PITTSBURG**, Contra Costa Co., Cal.  
 Bleacher house, 125x225.

Owner—Great Western Electric Chemical Co., 9 Main St., San Francisco.  
 Architect—Not Given.

Plans Nearing Completion.

**MILL** Cost, \$200,000  
**PORTLAND**, Ore. East Side District of Portland.

Seven-story reinforced concrete grain and flour mill (capacity 2,000 bbls. per day). 10x130.

Owner—Eadie Mill, W. R. Bagot, President.  
 Architect—John V. Bennes, Chamber of Commerce Bldg., Portland.

Plans Being Prepared.

**CANNERY, ETC.** Cost, \$—  
**HAMILTON CITY**, Glenn Co., Cal.  
 Dehydrating plant, cannery and jam-pelly factory.

Owner—James Mills Orchard Co., Jas. Mills, President, Hamilton, City.  
 Engineers—Eng. Dept. of Owner.

Plans Being Figured.

**FACTORY** Cost, \$263,000  
**OAKLAND**, Alameda Co., Cal. 48th to 50th Aves. and E-12th St. Extension.

One-story reinforced concrete steel tire factory, 360x72 (1st unit).

Owner—The Coast Tire & Rubber Co., Syndicate Bldg., Oakland.  
 Architect—Paul A. Needham, 2108 Shattuck Ave., Berkeley.

Contract Awarded.

**WAREHOUSE** Cost, \$60,000  
**LONG BEACH**, Los Angeles Co., Cal.  
 New York and California Sts.

Four-story reinforced concrete storage warehouse, 60x116.

Owner—Long Beach Transfer Co.  
 Architect—W. Horace Austin, Long Beach, Cal.

Engineer—E. L. Mayberry, Pacific Electric Bldg., Los Angeles.  
 Contractor—Richards - Neustadt Co., 804 Trust & Savings Bldg., Los Angeles.

Plans Complete.

**GAS PLANT, ETC.** Cost, \$—  
**MARTINEZ**, Contra Costa Co., Cal.  
 Estudillo and Mellus Streets.

Improvements to gas plant; one-story frame bungalow; gas storage tanks, piping, etc.

Owner—Contra Costa Gas Co., Martinez  
 Architect—W. A. Doctor, 314 Main St., Martinez.

Plans Being Figured.

**MANUFACTURING BUILDINGS** Cost, \$75,000.  
**LODI**, San Joaquin Co., Cal.  
 Brick, steel and corrugated iron pump manufacturing buildings.

Owner—Superior Mfg. Co., Inc., Woock Bros., Manager, Lodi, Cal.  
 Architect—Not Given.

The owners have purchased some materials.

Segregated Figures Being Taken.

**ADDITION** Cost, \$—  
**SAN FRANCISCO**. Second and Bryant Streets.

Five-story mill construction with steel tower addition to lithograph plant also a steel and concrete press room building, 80x125, in rear.

Owner—Schmidt Lithograph Co., Prem. Manager of Construction—Frederick Whitton, 369 Pine St., San Francisco.

The excavating contract will be awarded in a few days.

## GARAGES

Contracts Awarded.

**GARAGE** Cost, \$—  
**SAN FRANCISCO**. Fifth and Howard Streets.

Three-story and basement reinforced concrete garage, 150x155.

Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.  
 Architect—Wm. Knowles, Hearst Bldg. San Francisco.

**Concrete work** awarded to The Clinton Const. Co., 140 Townsend St., \$100,000, approximately.

**Reinforcing steel** awarded to Edward L. Soule, Rialto Bldg.

To be Done by Days Labor.

**GARAGE** Cost, \$25,000  
**PORTLAND**, Ore. Yamhill and Chapman Streets.

Two-story and basement brick and concrete garage, 68x75.

Owner—A. S. Ellis.  
 Supt. in Charge—W. C. Arthur, 497 Vancouver Ave., Portland.

Plans Being Prepared.

**GARAGE, ETC.** Cost, \$—  
**HOLLISTER**, San Benito Co., Cal. SE San Benito and William Street.

One-story reinforced concrete garage and auto salesroom.

Owner—Mrs. E. F. McCroskey, Hollister  
 Lessee—E. C. Gilbert.  
 Architect—Not Given.

Construction will be started as soon as the present structures on the site are razed.

Plans Being Prepared.

**REPAIR SHOP** Cost, \$10,000  
**SAN FRANCISCO**. S Post St. 220 E Larkin St.

One-story brick auto repair shop, 25x125.

Owner—Miss Pergio.  
 Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Plans Being Figured.

**GARAGE, ETC.** Cost, \$—  
**OAKLAND**, Alameda Co., Cal. Adams Point.

Two-story frame residence and garage (10 rooms).

Owner—Mr. Mannheim.  
 Architect—E. Cannon, Central Bank Bldg., Oakland.

## GOVERNMENT WORK AND SUPPLIES

**NAVY DEPARTMENT**, Office of the Chief of the Bureau of Yards and Docks, Washington, D. C.—Sealed bids are wanted until December 3, 1919, specification 4077, for constructing radio towers at Keyport, Wash. Estimated cost, \$45,000. For further information address the chief of bureau.

**WASHINGTON, D. C.**—The following bids were received November 10th by Supervising Architect Jas. A. Wetmore, for furnishing the labor required in the construction, complete (including heating, plumbing, electric conduits, and wiring), with materials that will be furnished by the Government, for kitchen and mess hall, officer's quarters, attendants' quarters and garage, refrigeration plant, remodeling of nurses' quarters and approaches, for the United States marine hospital at

San Francisco, Calif.:

Schultz Constr. Co., 46 Kearny St., San Francisco (a) \$38,220; (b) \$11,777.

Thos. A. Cavanagh, San Francisco (a) \$43,695; (b) \$15,685.

Alfred H. Vogt, San Francisco (a) \$48,793; (b) \$11,960.

## HALL AND SOCIETY BUILDINGS.

Plans Being Figured.

Y. M. C. A. BLDG. Cost, \$—  
POMONA, Los Angeles Co., Cal.  
Three-story and basement reinforced concrete Y. M. C. A. Building, 162x12.

Owner—Y. M. C. A. of Pomona.

Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Plans Being Prepared.

CLUB BUILDING Cost, \$—  
KELSO, Wash.  
Hollow tile and stucco club building.  
Owner—Citizens' Club of Kelso.  
Architect—F. Manson White, Chamber of Commerce Bldg., Portland.

## HOSPITALS

Plans Being Figured. Bids Close Dec. 22, 1919, at 10 A. M.

HOSPITAL Cost, \$400,000 approximately.

OAKLAND, Alameda Co., Cal. 14th Avenue and E-27th Street.  
First unit Class "A" hospital; service building, two dormitory buildings, and connecting corridors.

Owner—Alameda County.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Bids will be taken for a general contract. Plans may be obtained from the County Clerk's Office, Court House, 5th and Broadway, Oakland, on a deposit of \$100. Plans must be returned in 15 days or the deposit will be forfeited.

OAKLAND, Alameda Co., Cal.—The County Supervisors have awarded a contract to F. W. Maurice, 505 E-22nd St., Oakland, at \$17,690, for repairs to the County Hospital building.

Plans for the work were prepared by Architect Henry H. Meyers, Kohl Bldg., San Francisco.

## HOTELS

Working Drawings Being Prepared.

HOTEL Cost, \$100,000  
BYRON, Contra Costa Co., Cal. Byron Hot Springs.

Two-story frame hotel, garage, enlarge swimming tank and baths, new club house, golf links, alter and redecorate present hotel and alterations to other buildings.

Owner—John Tait, San Francisco.

Architects—Ward & Blohme, 454 California St., San Francisco.

C. J. Brun, formerly head of the Richelieu hotel in San Francisco, has been appointed manager.

## PUBLIC BUILDINGS

OROVILLE, Butte Co., Cal.—Bids will be received by the County Supervisors, C. F. Belding, County Clerk, up to December 1st, 2 P. M., for the construction of the proposed enlargement of the County Road Engineer's Office, in the Court House.

Certified check of 10% must accompany each bid.

COLUSA, Colusa Co., Cal.—Plans and specifications for a municipal swimming baths, prepared by Architect Martin Sheldon, 110 Sutter St., San Francisco, have been accepted by the City Trustees and construction will be started within two months.

LONG BEACH, Los Angeles Co., Cal.—Architect W. Horace Austin and Harvey W. Lochridge, engineer, Long Beach, have been selected by the Board of City Commissioners to prepare plans and specifications for a new City Hall Building to be erected at Long Beach. They will be associated with a firm of Los Angeles architects or engineers and will submit the names of five firms to the City Commission from which the consulting firm will be selected. The new building is to cost \$350,000.

Plans Being Figured. Bids Close Dec. 15th, 10 A. M.

HALL Cost, \$250,000  
SEATTLE, Wash. University Campus.  
Three-story and basement fireproof, steel and concrete Hall of Philosophy.

Owner—Board of Regents of the University of Washington.

Architects—Bebb & Gould, Securities Bldg., Seattle.

BENICIA, Solano Co., Cal.—The City Trustees have awarded a contract to the Martin Roofing Co. of San Francisco for placing a three-ply tar and gravel roof on the City Hall building and an Irish flint with Petrolastic cement on the fire house building, the work to cost \$460.

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to December 5th, 2 P. M., for material and labor necessary for the construction of a women's comfort station and also a men's comfort station to be erected in the Court House Park.

Said bids are to be submitted on 9 separate kinds of work entering into the construction of both of said building separately upon are as follows, to-wit: 1. Concrete work; (2) plumbing; (3) ings, and the propositions to be bid plastering; (4) tile and marble work; (5) Electric work; (6) sheet and metal work; (7) painting; (8) lumber; (9) roofing.

Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

FRESNO, Fresno Co., Cal.—Bids will be received by the City Council, Chas. Dillon, City Clerk, up to December 1st, 9 P. M., for the construction of a new garage and barn on lots 27, 28 and 29, block 40. Certified check of 10% payable to City Clerk must accompany each bid.

## RESIDENCES.

Contract Awarded.

DWELLINGS Cost, \$3000 each  
SAN FRANCISCO. S Joost — E Hamburg Street.

Twelve one-story and basement frame dwellings, 24x28 each.

Owner—Monita Investment Co., 624 Phelan Bldg., San Francisco.

Architect—A. W. Smith, 1010 Broadway Oakland.

Contractor—N. A. Anderson, 1927 Napa St., Berkeley.

It is the intention of the owners to erect about 200 dwellings in this vicinity.

Plans are now being completed for 20 additional structures, which will also be erected by Mr. Anderson.

Plans Being Prepared.

RESIDENCE Cost, \$5,000  
WILLOW CAMP, Marin Co., Cal.  
One-story, attic and basement frame country residence (5 rooms, 2 baths, showers, garage and sleeping porch). Swiss Chalet.

Owner—Withheld.

Architect—L. A. Lapachet, 110 Sutter St., San Francisco.

Plans will be ready for figures in about 2 weeks.

Plans Being Figured.

RESIDENCE Cost, \$10,000  
BERKELEY, Alameda Co., Cal. Warring Street near Parker.  
Two-story and basement frame residence and garage (7 rooms and 2 bathrooms and sleeping porch).

Owner—Arthur G. Wood.

Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

Contract Awarded.

BUNGALOWS Cost, \$2,500 each  
EUREKA, Humboldt Co., Cal.—Brett and D Streets.

Three one-story and basement frame bungalows.

Owner—Mrs. Alex Connick, 1428 "E" St., Eureka.

Architect—Not Given.

Contractor—R. J. Minnie, Eureka.

Plans Being Prepared.

RESIDENCE Cost, \$10,000  
SAN FRANCISCO. St. Francis Wood.  
Two-story and basement frame and plaster residence (8 rooms and 2 bathrooms).

Owner—Withheld.

Architect—M. I. Schwartz, Nevada Bk. Bldg., San Francisco.

To be Done by Days Work.

RESIDENCE Cost, \$20,000  
HOLLYWOOD, Los Angeles Co., Cal. Vine St. N. of Franklin Avenue.  
Two-story and basement frame and plaster residence (10 rooms and 4 bathrooms, etc.)

Owner—Charles Eytton.

Architect—Frederick J. Soper, 1132 Story Bldg., Los Angeles.

To be Done by Days Work

RESIDENCE Cost, \$20,000  
WEST HOLLYWOOD, Los Angeles Co., Cal. Crescent Blvd. and Franklin Avenue.  
Two-story hollow tile residence and two-story hollow tile garage (7 rooms and 4 bathrooms).

Owner—F. L. Blodgett.

Architect—C. H. Russell, 1106 Story Bldg., Los Angeles.

Plans Prepared.

DWELLINGS Cost, \$—  
SAN JOSE, Santa Clara Co., Cal. 12th and Williams Sts. (Naglee Tract).  
Six one-story frame dwellings.  
Owner—L. B. Dugdale, San Jose.  
Architect—Binder & Curtis, 255 1/2 S. First St., San Jose.

## SCHOOLS

## Plans Being Prepared.

SCHOOL Cost, \$30,000  
 SAN BERNARDINO, Cal. Base Line  
 School Site.  
 One-story reinforced concrete school,  
 178x143 (14 rooms).  
 Owner—City of San Bernardino.  
 Architect—Howard E. Jones, Katz  
 Bldg., San Bernardino.

GLENWOOD, Santa Cruz Co., Cal.—  
 Bids will be received by Emma Martin,  
 Clerk of the Martin School District,  
 Glenwood, Cal., up to 3:30 P. M., No-  
 vember 25th for the erection of a one-  
 story frame school building.

Plans may be seen at the residence  
 of the Clerk in Glenwood. Certified  
 check of 10% payable to Emma Martin,  
 Clerk of the Martin School District,  
 must accompany each bid.

## Contracts Awarded.

SCHOOL Cost, \$26,088  
 PILOT ROCK, Oregon.  
 Two-story brick and stucco and tile  
 school building (8 class rooms and  
 auditorium).  
 Owner—Pilot Rock School District.  
 Architects—Tourtellotte & Hummel,  
 McKay Bldg., Portland.  
 Contractor—Waale & Peterson, 311  
 Henry Bldg., Portland.  
 W. S. Fleming was awarded the  
 heating and plumbing contracts at  
 \$5,410.

## Bids Opened.

SCHOOL Cost, \$—  
 PORTER VALLEY, Mendocino Co., Cal.  
 One-story reinforced concrete school  
 (5 rooms and an auditorium).  
 Owner—Potter Valley School District.  
 Architect—Norman R. Coulter, 46  
 Kearny St., San Francisco.  
 Myrl R. Crane, 74 Miramar Ave., San  
 Francisco, \$20,990.  
 T. Goodwin, San Francisco, \$29,000.  
 Mr. Rocco Navato, \$23,000.  
 The contract will probably be  
 awarded to Mr. Crane.

OAKLAND, Cal.—The Board of Edu-  
 cation, Lloyd D. Barzee, Secretary,  
 Room 1101, City Hall, has appropriated  
 \$1,240,000 from the recently voted  
 bond issue for school improvements to  
 be expended as follows:  
 East Oakland high school, Nine-  
 teenth avenue and East  
 Twentieth street (\$50,000 for  
 site) ..... \$ 50,000  
 Fremont high school..... 150,000  
 New Vocational and Commer-  
 cial high school \$50,000 for  
 site) ..... 150,000  
 University high school..... 100,000  
 Market Street Junior high  
 school ..... 60,000  
 Elmhurst Junior high school. 125,000  
 Fruitvale Junior high school. 100,000  
 Bay Neighborhood and Junior  
 high school ..... 80,000  
 Dewey school ..... 50,000  
 Melrose Heights school..... 75,000  
 Grant school ..... 30,000  
 Claremont school ..... 45,000  
 Rockridge school ..... 50,000  
 Undistributed funds to be used  
 according to program..... 100,000  
 Total ..... \$1,240,000

VALEJO, Solano Co., Cal.—The City  
 Board of Education has instructed En-  
 gineers Leland & Haley, Holbrook  
 Bldg., San Francisco, to prepare plans  
 and specifications for improved heat-  
 ing facilities in the present school  
 buildings.

Plans Approved. Bids to be Called  
 for Shortly.

SCHOOL Cost, \$12,000  
 PLEASANT HILL, Contra Costa Co.,  
 Cal.  
 One-story frame and stucco school (2  
 rooms and auditorium).  
 Owner—Pleasant Hill School District.  
 Architect—Norman R. Coulter, 46  
 Kearny St., San Francisco.

Bonds Sold. Bids to be Called for  
 Shortly.

ADDITIONS Cost, \$100,000  
 MADERA, Madera Co., Cal.  
 School additions.  
 Owner—Madera Union High School  
 District.

Architects and Engineers—Swartz &  
 Ryland, Rowell Bldg., Fresno.  
 Additions will consist of auditorium  
 seating 900 and six class rooms.

Revised Plans Ready for Figures. Bids  
 Close December 2, 1919.

ADDITION Cost, \$—  
 ALAMEDA, Alameda Co., Cal. Wash-  
 ington School.  
 Addition and finishing of community  
 rooms, etc.  
 Owner—City of Alameda.  
 Architect—Henry H. Meyers, Kohl  
 Bldg., San Francisco.  
 Plumbing awarded to Thos. R. Catton  
 of Berkeley on his bid of \$2,299.

## STORES AND OFFICES

Plans Nearing Completion. Contract  
 Awarded.  
 MERCANTILE BLDG. Cost, \$75,000  
 SEATTLE, Wash. First Avenue South  
 First unit. One-story and basement  
 brick and concrete mercantile  
 building, 150x120.  
 Owner—Whitton Hardware Co., Seattle  
 Designer & Contractor—H. J. Allen,  
 1420 East John St., Seattle.  
 NOTE—It is planned to erect a seven  
 story building.

Contract Awarded.  
 STORE Cost, \$—  
 SEATTLE, Wash. Fourth and Pine Sts.  
 Two-story brick and heavy mill con-  
 struction store, 108x233.  
 Owner—The Bon Marche.  
 Architect—John Graham, L. C. Smith  
 Bldg., Seattle.  
 Contractor—S. G. Coombs, Seattle.  
 Construction of this building was  
 held up owing to strikes of the build-  
 ing trades.

November 14, 1919.

Plans Being Prepared.  
 STORES Cost, \$35,000  
 SEATTLE, Wash. Pine Street near  
 Minor Avenue.  
 One-story brick (7) stores, 135x100.  
 Owner—L. V. Peepes, Care Crane Co.,  
 Seattle, Wash.  
 Architects—Robb & Gould, Securities  
 Bldg., Seattle, Wash.

Plans Being Figured.  
 BANK & OFFICES Cost, \$500,000  
 TACOMA, Wash.  
 Sixteen-story fireproof bank and of-  
 fice building.  
 Owner—Scandinavian-American Bank  
 Tacoma, Wash.  
 Architect—Frederick Webber, 403 Mor-  
 ris Bldg., Philadelphia, Pa.  
 Plans may be had from Frank Wil-  
 son, Room No. 319, Scandinavian-  
 American Bank Bldg., Tacoma, Wash.

Plans Being Figured.  
 AUTO SALES BUILDING Cost, \$—  
 SAN FRANCISCO. Sutter and Gough  
 Streets.

Two-story brick auto sales building.  
 Owner—H. H. Helbush.  
 Lessee—F. D. Gould Co. (Auto Top  
 Mfrs.)

Architect—W. L. Schmoll, Room 5, 40  
 Montgomery St., San Francisco.  
 The excavating has been awarded to  
 the Carlin Grading Co., 110 Jessie St.,  
 San Francisco.

To be Done by Day Labor.  
 OFFICES Cost, \$35,000  
 PORTLAND, Ore. NW Fourth and  
 Stark Streets.

Two-story and basement brick and  
 concrete offices, 50x100.  
 Owner—Lawyers Title & Trust Co.,  
 Herbert Gordon, President.  
 Supt. of Construction and Designer—  
 O. Sunde.

It was at first planned to erect a  
 four-story building, but only two will  
 be erected at this time. Face brick  
 contract has been awarded to the  
 Pacific Face Brick Co.

Architects Selected.  
 OFFICE BLDG. Cost, \$1,000,000  
 approximately.  
 SAN FRANCISCO. Pine and Mont-  
 gomery Sts. (Old Nevada Block  
 Property).

Class "A" office building.  
 Owner—Commercial Union Assurance  
 and The California Fire Insurance  
 Company.

Architects—Geo. W. Kelham and Ken-  
 neth MacDonald Jr., Associated,  
 Sharon Bldg., San Francisco.  
 Contractor—P. J. Walker Co., Monad-  
 nock Bldg., San Francisco.

The building will probably be 15  
 stories high.

Plans Being Prepared.  
 BUSINESS BLOCK Cost, \$8,000  
 PITTSBURG, Contra Costa Co., Cal.  
 One-story business block.  
 Owner—R. Costanza, Pittsburg, Cal.  
 Architect—W. A. Doctor, 314 Main St.,  
 Martinez.

Plans Nearing Completion.  
 BUSINESS BLOCK Cost, \$7,000  
 MARTINEZ, Contra Costa Co., Cal.  
 Main St., bet. Castro and Smith.  
 One-story business block.  
 Owner—G. Ventimiglia, Martinez.  
 Architect—W. A. Doctor, 314 Main St.,  
 Martinez.

Plans Prepared.  
 AUTO SALESROOMS Cost, \$30,000  
 CHICO, Butte Co., Cal. Seventh and  
 Broadway.  
 Part one and 2-story and base fire-  
 proof auto salesrooms; 2-story, 132  
 x51; 1st portion, 74x132.  
 Owner—G. W. Randall, 108 Angeles



Architect—A. J. Bryan, 1044 6th St., Chico.

Work will either be done by days labor or segregated contracts. Foundations and grading will be done by the day.

Plans Being Prepared. Carpentry Contract Awarded.

ALTERATIONS Cost, \$30,000 to \$40,000  
SAN FRANCISCO. NW Arguello Blvd. and Geary Street.

Alter brick building into auto sales building.

Owner—Zellerbach-Levison Co., 1540 California St., San Francisco.

Architect—S. Heiman, 57 Post St., San Francisco.

Theo. S. Hoin, 1739 Washington St., has the contract for the carpentry work.

Plans Being Prepared.  
ALTERATIONS Cost, \$5,000

SAN FRANCISCO. No. 352 Post St.

Alterations to store (new fronts, offices, etc.).

Owner—Crosgrave Cloak & Suit Co., Premises.

Architect—S. Heiman, 57 Post St., San Francisco.

CHICO, Butte Co., Cal.—Dr. J. O. Chiapella has purchased a site with a 33 foot frontage on Broadway adjoining the Record Building and plans the erection of a two-story fireproof store and office building. Construction will not be started for at least three months.

SACRAMENTO, Cal.—Harry E. Kleinsorge, Californian Fruit Bldg., Sacramento, Manager of the Florin Basket Company and President of the Western Fruit Company, has purchased the southeast corner of Eleventh and J streets and plans the erection of an eight-story reinforced concrete office and store building on the site.

Kleinsorge stated, over the phone, that construction would not be started until the latter part of 1920. He states that he will probably select an architect to design the necessary plans about June of next year.

Plans to be Prepared.  
AUTO SALESROOM Cost, \$150,000

SACRAMENTO, Cal. Twelfth and "H" Streets.

Two-story and basement reinforced concrete auto salesroom and garage, 160x260.

Owner—Don Lee Co., 1601 Van Ness Ave., San Francisco.

Architect—Not Selected.

## THEATRES

LONG BEACH, Cal.—Edward Mehay, fur dealer, Markwell Bldg., Long Beach, announces that a six-story theatre and hotel building to cost \$400,000 will be erected on Ocean Blvd. between Locust avenue and the Markwell Bldg. He will operate the theatre, which will seat 2000.

PASADENA, Los Angeles Co., Cal.—J. M. Root, manager of the Strand Theatre, Pasadena, is having plans prepared by Eastern architects for a theatre to be erected on a site, 206x240 feet, on Colorado street east of Marengo avenue. Arthur L. Van Valkenburg

has made sketches of the space and adjoining buildings to guide the architects in the preparation of plans. The theatre will seat about 220 people and will cost about \$350,000, inclusive of pipe organ, seats, scenery, etc. A feature will be a glass enclosed roof garden and cafe.

## BRIDGES, DAMS & HARBOR WORK

SACRAMENTO, Cal.—The Otis Elevator Co., Sacramento, submitted the only bid to the City Commissioners, M. J. Desmond, City Clerk, for the re-arranging of the elevator in the "M" street wharf at \$4,284. The bid was taken under advisement.

No bids were received for the re-arrangement of the elevator in the wharf occupied by the Sacramento Transportation Company.

SAN FRANCISCO.—Bids will be received by the Engineer Office, U. S. Army, 240 Montgomery St., up to November 28th, 10 A. M., for furnishing and delivering 40 rubber dredge sleeves for U. S. Suction Dredges, under Order No. 2069.

Specifications and further information may be had from the Engineer Office, 240 Montgomery Street.

FRESNO, Fresno Co., Cal.—The County Supervisors, Chris. P. Jensen, County Engineer, are contemplating the construction of two bridges in the Coalinga district, one over Wartham Creek and the other over Jacolitos Creek.

FRESNO, Fresno Co., Cal.—The County Supervisors have awarded a contract to Jap E. Mitchell, 206 Strauther St., Fresno, for the construction of a reinforced concrete bridge over Fowler switch at \$3,431.25 or \$27.45 per cubic yard. Two other bids were submitted.

The contract for the re-flooring of the Helm bridge was also awarded to Mitchell at \$1,124, he being the only bidder.

AUBURN, Placer Co., Cal.—The contract for the construction of the Moore bridge over the Auburn Ravine has been awarded by the County Supervisors to Nolte & McAlpine, they being low bidders at \$1,925.

The contract for the construction of a cement bridge over Rock Creek was awarded to C. A. Cooper, at \$3,312.

County Supervisor Haman has been granted permission by the Supervisors to construct three small bridges in Road District No. 1. A. S. Fleming is County Clerk.

HANFORD, Kings Co., Cal.—The County Supervisors have appropriated funds with which to finance the construction of a new concrete bridge across Kings river in the River Bend Precinct.

RENO, Nevada.—The Reno City Council and the Washoe County Commissioners have awarded a contract to Engineer C. R. Hill to prepare plans and specifications for a new concrete bridge across the Truckee River at the western extremity of Riverside drive, the structure to be paid for jointly by the City of Reno and the County of Washoe.

The new structure will cost about \$24,000 and will be 34 feet wide, with a 24-foot roadway and pedestrian walks on each side. The span will be 120 feet long and will extend diagonally along the river. Work will not be started before Spring of next year.

MONTEREY, Monterey Co., Cal.—Plans prepared by Engineer Fred H. Tibbitts, Alaska Commercial Bldg., San Francisco, for improvements at the Monterey Harbor have received the approval of the City Council and working drawings for the work have been ordered prepared.

PLACERVILLE, El Dorado Co., Cal.—Painter & Miller, civil engineers, Northern California Bank of Savings Building, Marysville, report the completion of surveys for the hydro-electric developments of the Western States Gas & Electric Company on the South Fork of the American River in El Dorado County. This will include the reconstruction of about 25 miles of ditch from its present capacity of about 40 second feet to be enlarged to 250 second feet and to be concrete lined.

Surveys have also been made for a 50-foot diversion dam at the head of the ditch on the American River near Kyburz, also a 135-foot dam for storage on Alder Creek and an 80-foot dam on Plum Creek. Extensive developments are also planned at both Silver and Echo Lakes for storage of water. It is planned to develop approximately 200,000 horsepower.

SAN JOSE, Santa Clara Co., Cal.—Bids for bridge improvements were received by the County Supervisors, Henry A. Pfister, County Clerk, as follows: For the construction of a reinforced concrete bridge on Bubb road at Hanrahan's place in Supervisor District No. 5. Surveyor's estimate, \$4,392. Wm. Martin, \$3,939; E. Nommensen, \$4,228; Herschback & Sciarrino, \$4,439; J. H. Miller, \$4,185.

Bid of Wm. Martin taken under advisement, all others being rejected.

For the construction of a reinforced concrete bridge on Hillside avenue over Guadalupe Creek, in Supervisor District No. 4. Surveyor's estimate, \$6,350. E. Nommensen, \$6,379; Jno. Doyle, \$5,960; J. H. Miller, \$5,230; Herschback & Sciarrino, \$6,084.

Bid of J. H. Martin taken under advisement, all others being rejected.

HOLLISTER, San Benito Co., Cal.—The County Supervisors have awarded a contract to W. I. McReynolds at \$2,490 for the construction of a concrete bridge opposite the Thysen place at the foot of Bird Creek.

The bid of McReynolds at \$2,640 for the construction of a concrete bridge over the San Lorenzo Creek in the southern end of the county was taken under advisement.

## OREGON STATE HIGHWAY COMMISSION AWARDS CONTRACTS.

PORTLAND, Ore.—The following is a list of awards of contracts made by the Oregon State Highway Commission at its last meeting:

Prineville-Crooked River Section.  
A Guthrie & Co., \$199,588.06; iron pipe, \$202,125.20.

Engineer's Estimate, \$221,095.

**Prineville-Redmond Section.**

Oskar Huber, concrete pipe, \$73.-  
417.28.

Engineer's Estimate, \$88,859.30.

**Bend-Allen Ranch Section.**

Oskar Huber, \$25,019.

Engineer's Estimate, \$26,835.

**Klamath Falls Dairy.**

O. Huber, r. o. b. gravel, concrete pipe, \$146,008.16.

Engineer's Estimate, \$142,236.40.

**Algonia Section.**

O. Huber, cinders, concrete pipe, \$124,422.20; broken stone macadam, concrete pipe, \$125,532.20.

Engineer's Estimate, \$146,188.

**Cow Valley-Brogan Section.**

Morrison Knudson, iron pipe, \$81.-  
154.40; concrete pipe, \$81,960.

Engineer's Estimate, \$78,475.

**Deer Island-Gallena-Guard Fence.**

A. J. McGarry, Seattle, \$4,390.

Engineer's Estimate, \$6,840.

**Pendleton-Cabbage Hill Section.**

Clifton Applegate & Toole, concrete pipe, \$100,701.40; iron pipe, \$100,924.

Engineer's Estimate, \$115,961.70.

**Bend-Jefferson County Line Section.**

O. Huber, concrete pipe, \$84,942.50.

Engineer's Estimate, \$80,522.

**MADERA.** Madera Co., Cal.—The County Supervisors have instructed County Engineer Stafford to prepare plans and specifications for a bridge to be constructed across Ash Slough on Washington avenue in the City of Madera.

**MADERA.** Madera Co., Cal.—The County Supervisors, W. R. Curtin, County Clerk, has awarded a contract to the Madera Sugar Pine Co., Madera, at \$1,374.08 for furnishing Oregon pine and Redwood lumber at Firebaugh, Fresno County.

The Summit Lake Lumber Company submitted a bid of \$1,215, but was not considered, as no check accompanied same. The Chowchilla Lumber Company submitted a bid of \$1,427.49.

For furnishing 800 pieces 3"x12"-18' Yellow Pine at Chowchilla, Madera County, was awarded to the Chowchilla Lumber Co. at \$2,030.40.

**FRESNO.** Fresno Co., Cal.—The County Supervisors have awarded a contract to Jap E. Mitchell, 206 Strauther St., Fresno, at \$2,800 for the construction of a cement bridge at a point one mile east of Riverdale. The only other bid was that of Smith & Wheeler at \$2,989.95.

Mitchell was also awarded the contract for the construction of three wooden bridges at \$10,147, north of the Town of San Joaquin. Other contracts awarded by the Supervisors were:

Repair of bridge 1¼ miles SW of Tranquility to J. E. Mitchell at \$988.20; wooden bridge ¾ of a mile SE of Tranquility to Smith & Wheeler at \$2040; wooden bridges Nos. 1 and 2 on James avenue, north of Tranquility to J. E. Mitchell at \$4424; wooden bridge 1.85 miles W of San Joaquin to J. E. Mitchell at \$6405.

**HOLLISTER.** San Benito Co., Cal.—The County Supervisors have approved plans and will shortly call for bids for the construction of a bridge on the New Road commonly known as the Ausaymas and Fairview Cut-Off at or near Engineer's Survey Station 99-60, in Supervisor District No. 1 and for a bridge on the same road near Engineer's Survey Station 59-40 in Supervisor District No. 1. Elmer Dowdy is County Clerk.

**MARYSVILLE.** Yuba Co., Cal.—Ed. H. Martin, 15 Olive Ave., Oakland, has been awarded a contract to erect a reinforced concrete bridge on the Wheatland-Waldo road across Dry Creek at Martin Kuster's place, to replace the structure recently destroyed by fire.

The bridge will be 48 feet long, consisting of three spans of 16 feet each.

The contract was awarded at a cost plus 15% basis.

**IRRIGATION WORK**

**MODESTO.** Stanislaus Co., Cal.—Percy Jones, Chief Engineer of the Modesto Irrigation District, has been instructed by the Directors to proceed with the deepening of the Russell Drain, about one mile in length.

**SAN DIMAS.** Los Angeles Co., Cal.—J. H. Christian, W. R. Wright and S. H. Christian of Los Angeles, explained to the ranchers and to the directors of San Dimas Water Co. the project which they are promoting for construction of an irrigation dam in the San Jose hills south of San Dimas. They estimate the cost of the project at \$3,500,000. It is proposed to organize a mutual water company representing 17,000 acres, to be irrigated. They asserted there would be no outlay on the part of the water users beyond the usual water rate of not over 2c an inch, which will pay the cost of operation and maintenance, interest and also the principal on the bonds to be used in a period of 20 years.

**ORLAND.** Glenn Co., Cal.—A meeting of the Directors and members of the Orland Water Users' Association was held here recently to consider the proposed new irrigation project, which will draw water from Stony Creek, and the general outlook for water for irrigation on the present government project.

Plans prepared by Government Engineer A. N. Burch were considered. The construction of an additional reservoir, capable of holding 80,000 acre feet of water is proposed.

The dam, if approved by congress and necessary funds appropriated, will be constructed near the village of Elk Creek, about sixteen miles down the stream from the present storage reservoir. It is contemplated that 25,000 acres will be irrigated from this reservoir.

**MODESTO.** Stanislaus Co., Cal.—The Directors of the Modesto Irrigation District have awarded a contract to W. H. Webb for laying 8,000 lineal feet of 16-inch pipe in the Jacobsen drain on his bid of 84 cents per lineal foot and 25¢ each for manholes.

The contract for hauling the pipe was awarded to Mowrey Bros., of Mo-

desto, at 5½ cents per foot for 8,000 feet of 16-inch pipe and 15 cents per foot of 30-inch pipe.

Percy Jones is Chief Engineer of the Modesto District.

**OROVILLE.** Butte Co., Cal.—By a large majority of land owners in two separate districts, the Oroville-Wyan-dotte District and the Honcut-Yuba District, endorsed plans proposed to bring water to 45,000 acres of foothill and valley lands lying east of the Feather River from Oroville south through Butte and into Yuba County.

Engineers will now be appointed to determine the costs of the project planned so a bond issue may be called to secure the necessary funds. Following directors were elected for the Oroville-Wyan-dotte District:

R. C. Tyler, G. W. Miller and Walter Edwards.

And the following for the Honcut-Yuba District—Ed Abbey, H. H. Armstrong, H. S. Munsen, A. F. Folwom and C. N. Hill. Daniel Sylvester was named as Treasurer.

**APPLICATIONS FILED WITH STATE WATER COMMISSION.**

**SAN FRANCISCO.**—The following applications have been filed with the State Water Commission, New Call Bldg., for permission to appropriate water. (The number mentioned at the end of each paragraph is the application number, and in seeking additional information same is required).

J. B. Thompson, Chico, 400 cubic feet per second from Juniper Lake through Twin Lakes, Grassy, Snag, Tillman & Bidwell of Butte Lake, in Lassen and Shasta Counties, tributary of Pitt and Sacramento Rivers, for irrigation purposes. Main canal to be 8 miles long. The amount of water to be stored is 50,000 acre feet, as follows: Butte or Bidwell Lake, 15,000 acre feet; Snag, 10,000 acre feet; Tillman, 8,000 acre feet; Grassy and Twin Lakes, 5,000 acre feet; Juniper Lake, 17,000 acre feet. This application is supplementary to Application 1292. (1356).

J. B. Oleese and E. N. Pector, Merced City, 700 cubic feet per second from Merced River, Mariposa County, for development of power for manufacturing, pumping, transportation and lighting. Diversion works consist of concrete dam 15 feet high, about 300 feet long on top and about 100 feet long on bottom, and pipe line about 6 miles long. The amount of water to be stored is about 150,000 acre feet. Storage dam to be of concrete, about 150 feet high, about 700 feet long on top and about 150 feet long on bottom. Estimated cost, \$200,000 for power house, \$500,000 for power line, and \$500,000 for dam. (Allowed to October 25th to complete). (1357).

J. B. Oleese and E. N. Pector, Merced, 700 cubic feet per second from Merced River, Mariposa County, tributary of San Joaquin River, for irrigation and domestic uses. Diversion will be by means of a dam 20-40 feet high, 100 feet long on top and 100 feet long on bottom, and main canal over 25 miles long. Application provides for storage of about 150,000 acre feet. Storage dam and reservoir same as Application 1357. Estimated cost, \$1,000,000. Water will be used for irrigation of 100,000 acres. (Allowed 60

days from September 12th to complete application). (1358).

Victor S. Barber, Reno, Nevada, 700 cubic feet per second from Feather River and Middle Fork Feather River, Butte County, for the irrigation of 70,000 acres. Application provides for the storage of 250,000 acre feet. Application incomplete, and applicant was allowed 60 days from September 12th to complete. (1359).

H. Stuber, Alturas, all snow waters, winter waters and waters from all sources from the entire drainage area which drain into the basin commonly known as "Big Sage" or "Big Sage Reservoir Site," for the irrigation of lands of applicant and various other persons who propose to form an irrigation district under the laws of California. The amount of water to be stored is 162,850 acre feet per annum. Storage dam will be 49 feet high and 517 feet long on top. (1360).

Arthur W. Goodfellow and L. A. Nares, Fresno, 500 cubic feet per second from Beall Slough, Kings River, Kings County, tributary of Fresno Slough, on N. Fork Kings River, for agricultural purposes. Diversion works consist of wooden dam 8 feet high, 500 feet long on top, and 600 feet long on bottom and main canal 34 miles long. It is proposed to store 45,000 acre feet per annum. Storage dam of concrete, 320 feet high, 1100 feet long on top and 250 feet long on bottom. Estimated cost \$200,000.00, exclusive of reservoir. Water will be used on 45,000 acres. (1362).

Guy' Wilkinson, Oroville, 200 cubic feet per second from Lost and Pinckard Creeks, Butte County, tributaries of Feather River, for irrigation purposes on 20,000 acres in the Wyandotte and Bangor sections. Diversion dam to be of concrete 60 feet high. Applicant allowed six months from July 25th to complete application). (1363).

William X. Garrett, Hyampom, 12½ cubic feet per second of waters of Kerlin Creek in Trinity County, tributary to S. Fork Trinity River, for agricultural and domestic purposes. Water to be used on 90 acres. Water will be diverted by means of a dam 4 feet high, 22 feet long on top and 20 feet long on bottom, constructed of rock, concrete and lumber, and a ditch 1½ miles long. Permit granted for use of 9-16 cubic feet per second. (1364).

Fairplay Water Users Association, Fairplay, 1,000 inches Middle Fork Cosumnes River, El Dorado County, for irrigation and domestic purposes. Water will be diverted by means of a concrete dam and conveyed to place of use by a ditch and flumes. Water will be used on approximately 1,000 acres. (1365).

Yolo Water and Power Co., Woodland, 500 second feet from Clear Lake and Adobe, Siegler and other creeks entering same, Cache Creek and the drainage basins thereof in Lake County, for power purposes. Diversion works consist of a concrete dam 19 feet high, 600 feet long on top and 600 feet long on bottom, and two conduits, 22 miles and 16 miles in length, respectively. Amount of water to be stored 422,200 acre feet. Storage dam will be 34½ feet high, 228 feet long

on top and 104 feet long at bottom. Estimated cost, \$3,500,000. (1367).

J. B. Oleese and E. N. Pector, Merced, 700 cubic feet per second from Merced River, Mariposa County, for the generation of power for transportation, pumping, lighting, etc. Diversion works consist of dam 15 feet high, 300 feet long on top and 100 feet long on bottom and pipe line about 6 miles long. Amount of water to be stored is about 150,000 acre feet. Estimated cost over \$2,000,000. (1368).

L. L. Palmer and Sherwood Green, Chowchilla, trustees for a proposed irrigation district — No. 1369 — 100,000 acre feet from Big Creek, Mariposa County, tributary of Merced River, No. 1370, 120,000 acre feet from Chowchilla River, in Mariposa, Madera, Merced Counties, tributary of San Joaquin River; No. 1372, 200,000 acre feet from South Fork Merced River, Mariposa County, tributary of San Joaquin River, all for agricultural purposes. Applications incomplete and applicants allowed to October 25th to file maps to complete. (1369, 1370 and 1372).

Blue Nose Placer Mining Co., Blue Nose, 45 cubic feet per second from Tie Bar Creek, Siskiyou County, tributary of Klamath River, for placer mining purposes. Water will be diverted over a timber crib dam 5 feet high, 60 feet long on top and 50 feet long at bottom, and a ditch and flume approximately 3 miles long. Amount of water to be stored 831-121 acre feet. Estimated cost, \$10,000. (1371).

Dennis Murphy, Chico, 6,000 miner's inches from Deer Creek, Tehama County, tributary of Sacramento River, for power purposes. Water to be diverted by means of a concrete dam 30 feet high, 60 feet long on top and 30 feet long at bottom, and a canal, flume and tunnel 12 miles long. Total amount of power to be developed 13,400 T. H. P. Estimated cost, \$1,000,000. (1376).

H. L. Shannon, San Francisco, 200 cubic feet per second from Deer Creek in Tehama County, tributary of Sacramento River, for power purposes. Diversion works consist of concrete dam 6 feet high, 100 feet long on top and 75 feet long at bottom, and a ditch and flume 10 miles long. Total amount of power to be developed 22,700 T. H. P. Estimated cost \$500,000. (On August 9, 1919, applicant allowed 90 days to file maps). (1381).

Joseph A. Hausfelder, Brawley, 10 cubic feet per second from Coyote Creek in San Diego County, for developments of oil fields in Imperial and San Diego Counties. Diversion works will consist of stone and concrete dam, bed rock to 4 feet above ground grade—287 feet long on top. Estimated 200' long at bottom. Water to be delivered through steel pipe lines. Estimated cost of proposed works, \$185,000. (1385).

Gus Perigot, Blue Lake, 125 cubic feet per second from New River, Trinity County, tributary of Trinity River, for hydraulic mining. Diversion to be by means of timber, rock, brush and earth dam, about 20 feet high, 60 feet long on top and 40 feet long on bottom. Water to be delivered by means of pipe and hydraulic giants or monitors. Estimated cost about \$75,000. (Applicant granted 60 days from Oct.

H. 1919 to complete application). (1384).

Walker River Irrigation District, Yarnington, Nevada, Application No. 1388 to divert water for agricultural purposes from Murphy Creek, Mono County, tributary East Walker River; No. 1389 80,000 acre feet per annum from East Walker River and tributaries in Mono County, for agricultural purposes; No. 1390, 25,000 acre feet per annum from Green Creek, Mono County, tributary East Walker River, for agricultural purposes; No. 1391, 25,000 acre feet per annum from Robinson Creek, Mono County, tributary E. Walker River, for agricultural purposes; No. 1392, 10,000 acre feet per annum from Sammers Creek, Mono County, tributary E. Walker River, for agricultural purposes; No. 1393, 10,000 acre feet per annum from Swager Creek, Mono County, tributary E. Walker River, for agricultural purposes; No. 1394, 25,000 acre feet per annum from Virginia Creek, Mono County, tributary E. Fork Walker River, for agricultural purposes; No. 1395, 25,000 acre feet per annum from Buckeye Creek, Mono County, tributary E. Walker River, for agricultural purposes; No. 1396, 20,000 acre feet per annum from Robinson Creek, Mono County, for agricultural purposes. In the case of each of the above applications, the applicant, Walker River Irrigation District, was allowed until January 1st, 1920, to complete data.

El Dorado Water Company, Placerville, 60 cubic feet per second from Webber Creek, El Dorado County, tributary of South Fork American River, for irrigation of 37,000 acres and incidental industrial and domestic uses. Water to be diverted through "Webber Ditch," 6 miles long. Estimated cost, \$11,000. Amount of water to be stored, 2500 acre feet. (On Aug. 30, 1919, applicant allowed 60 days to file maps. (1405).

California Power & Manufacturing Company, San Francisco, 1450 cubic feet per second from Fall River, Shasta County, tributary of Pitt River, for power purposes. Total amount of power to be developed 8,253 T. H. P. Water to be conveyed into the Power Company's ditch over a dam 8 feet high, 270 feet long on top, and 270 feet long at bottom, to be a timber crib rock filled top sheeted dam, 30 feet in width on bottom and 10 feet on top. Estimated cost, \$385,000. (1411).

Natomas Company of California, San Francisco, 120 cubic feet per second from Sacramento River in Sutter County, for use on 10,139.58 acres for irrigation of alfalfa, orchards and miscellaneous crops. Diversion works to consist of two main canals, 7.0 and 4.8 miles long, respectively, and a pumping plant. Estimated cost, \$300,000. (1413).

The United States of America, U. S. Reclamation Service, Orland, 804,900 acre feet from Stony Creek in Glenn Colusa and Tehama Counties, tributary of Sacramento River, for irrigation of 25,000 to 40,000 acres. This is "Stony Gorge Extension of Orland Project." Diversion works to consist of a dam 24 feet high, 900 feet long on top and 900 feet long at bottom, with concrete headgate. The amount of water to be stored is 204,000 acre feet.

Estimated cost \$2,000,000 (including purchase of right of way. (On Sept. 11, 1919, applicant allowed to Dec. 1, 1919, to file map). (1414).

Bear River Water & Power Co., Auburn, 250 cubic feet per second of natural flow and flood waters of Bear River and Greenhorn River and their tributaries in Placer and Nevada Counties, tributary of Feather River and Sacramento River, for power purposes. (On Sept. 29, 1919, applicant allowed 6 months to file maps and complete data. (1416).

Bear River Water & Power Company, Auburn, 250 cubic feet per second of natural flow and flood waters of Bear River and Greenhorn River and their tributaries in Placer and Nevada Counties, tributary of Feather and Sacramento Rivers for agricultural purposes on 25,000 acres. (On Sept. 29, 1919, applicant allowed 6 months to file maps. (1417).

R. G. Kann, Stockton, 300 cubic feet per second from Black Creek and Bear Mountain hillside in Calaveras County, tributary of Stanislaus River, for agricultural purposes on 7,000 acres. Diversion works to consist of main ditch about 11 miles long and concrete overpour dam 5 feet high, 200 feet long on top and 10 feet long at bottom. Estimated cost, \$100,000. (1418).

Geo. F. Cokley, Woodland, 8,000 acre feet from Panache Creek in Fresno County, tributary of San Joaquin River, for agricultural purposes on 6,720 acres. Diversion to be by means of storage reservoir and dam. Amount of water to be stored 8,000 acre feet. Estimated cost, \$40,000. (1420).

Geo. F. Cokley, Woodland, 12,000 acre feet from Panache Creek, Fresno County, tributary of San Joaquin River, for irrigation and agricultural purposes on 6,720 acres. Diversion to be by means of a main canal approximately 7 miles long, and multiple arch reinforced concrete dam of the East wood type, 48 feet high, 1601 feet long on top and 400 feet long at bottom. Estimated cost, \$75,000. Amount of water to be stored approximately 12,000 acre feet. (1421).

Margaret R. Vail, N. R. Vail, Mary E. Vail and Mahlon Vail, Los Angeles, and William Banning Vail, Sonorita, Arizona, Trustees, operating as Vail Co., 45 cubic feet per second for direct diversion, and 40,000 acre feet per annum for storage of waters of Temecula Creek, Riverside County, tributary of Santa Margarita River, for agricultural purposes on 15,000 acres, also for domestic purposes. Diversion works to consist of pipe and open canal 2½ miles long, and a dam 115 feet high, 500 feet long on top and 100 feet long at bottom, of rubble, concrete and Cyclopean Masonry. Amount of water to be stored, 40,000 acre feet per annum. Estimated cost, \$200,000. (1423).

Roger W. Olmstead, Manteca, 100,000 acre feet per annum from Littlejohn's Creek and tributaries, Calaveras County, tributary of San Joaquin River, for agricultural purposes on 143,000 acres. Diversion to be by means of a dam 110 feet high, 600 feet long on top and 50 feet long at bottom, constructed of loose rock, concrete face, with wasteway around dam. Amount of water to be stored, 100,000 acre feet. Estimated cost, \$750,000. (1424).

Roger W. Olmstead, Manteca, 46,000 acre feet per annum of waters of Black Creek and tributaries, Calaveras County, tributary of Stanislaus River, for power purposes. Diversion works to consist of main ditch 5.4 miles long, and a dam 130 feet high, 3,000 feet long on top and 75 feet long at bottom, to be of loose rock fill, concrete faced, with wasteway around dam. Amount of water to be stored, 46,000 acre feet. Estimated cost, \$1,350,000. Applicant allowed to March 1, 1920, to file maps. (1425).

#### STATE WATER COMMISSION.

SAN FRANCISCO — The following applications have been filed with the State Water Commission, New Call Building, for permits to appropriate water:

Roger W. Olmstead, Manteca, 100,000 acre feet per annum from Littlejohn's Creek and tributaries, Calaveras County, tributary to San Joaquin River, for power purposes. Diversion works: Tunnel ½ mile long and a dam 110 feet high, 600 feet long on top and 50 feet long at bottom, to be of loose rock, concrete faced, with wasteway around dam. Amount of water to be stored, 100,000 acre feet. Estimated cost of proposed works, \$750,000. (1426).

Roger W. Olmstead, Manteca, 46,000 acre feet per annum of waters of Black Creek and tributaries, Calaveras County, tributary to Stanislaus River, for irrigation of 143,000 acres. Diversion works consist of dam 130 feet high, 3060 feet long on top and 75 feet long at bottom, constructed of loose rock, concrete faced, with wasteway around dam. Estimated cost of proposed works, \$1,350,000. (1427).

J. Pond and J. T. O'Sullivan, Colusa, 20 cubic feet per second from Sacramento River, Colusa County, for irrigation of 450 acres. Water to be diverted by means of a canal 1½ miles long. Estimated cost, \$8,000. (1432).

C. W. Hatch and R. V. Meikle, by Edgar M. Wilson, San Francisco, 94 cubic feet per second from Merced River, Merced County, tributary to San Joaquin River, for irrigation of 7,664 acres. Diversion works: Main pipe line 2½ miles long and a pumping plant. Estimated cost of proposed works, \$150,000. (1442).

Hutchinson Co., Oakland, one cubic foot per second for each 80 acres or total of 5.59 cubic feet per second from Stanislaus River, San Joaquin County, tributary to San Joaquin River, for irrigation of 447 acres. Diversion works consist of: Pump—Allis Chalmers or Byron Jackson 12-inch, Type "S" centrifugal pump direct connected to motor. Distribution to be by means of 16-inch redwood stave pipe and surface ditches. Estimated cost, \$9,000. (1444).

South San Joaquin Irrigation District, Manteca, 150 cubic feet per second from Stanislaus River, San Joaquin County, tributary to San Joaquin River, for irrigation of 15,000 acres. Diversion to be by means of dam 15 feet high, 100 feet long on top and 100 feet long at bottom, with timber weir permanent wooden substructure, removable superstructure, concrete abutments, wasteway over dam; main ditch to be 8.33 miles long. On October 30, 1919, applicant allowed 60 days to complete application. (1446).

The Big Cow Creek Dutch Co., a corporation, Palo Cedro, Shasta County, 8 cu. ft. per sec. from Cow Creek County, tributary to Sacramento River, for agricultural purposes on 800 acres. Diversion works consist of rock and timber dam 4 feet high, 200 feet long on top and 200 ft. long at bottom. Estimated cost, \$11,000. (1448).

Moderate Irrigation District, Modesto, 600,000 acre feet per annum from Tuolumne River, Tuolumne County, tributary to San Joaquin River, for irrigation and power purposes. Water to be used on 100,000 acres. Diversion to be by means of "Don Pedro" storage reservoir. Estimated cost, \$3,100,000 for dam and reservoir and \$1,000,000 for power and development.

San Joaquin Light and Power Corporation, Fresno, 9 cubic feet per second from certain springs, approximately 100 feet north of main channel of the North Fork of Middle Fork of Tule River, otherwise known as the Doyle Branch, Wilson Creek and Morehouse Creek, tributary to South Fork of Middle Fork of Tule River, otherwise known as Nelson Fork—all in Tulare County, for power purposes. Diversion to be by means of pumps. Estimated cost of proposed works, \$16,500. (1458).

Santa Cruz County Farm Bureau, Santa Cruz, unappropriated waters and flood waters, about 140 cubic feet per second, from Soquel Creek, Branciforte Creek and San Lorenzo River, Santa Cruz County, for agricultural and domestic purposes. Water to be used on about 12,000 acres. Amount of water to be stored, 36,000 acre feet. (1461).

Mokelumne River Power & Water Co., San Mateo, 500 cubic feet per second from Mokelumne River, Calaveras County, tributary to San Joaquin River, for agricultural and incidental domestic and industrial purposes. Water to be used on 75,000 acres. Diversion to be by means of ditch 20 miles long, and concrete dam 20 feet high, 300 feet long on top and 150 feet long at bottom. (1462).

San Joaquin Light & Power Corporation, Fresno, 32,000 acre feet per annum for storage, and 900 cubic feet per second direct diversion, from San Joaquin River, in Fresno County, for power purposes. Amount of water to be stored, 3,200 acre feet. Diversion works consist of tunnels and penstocks 3.4 miles long, and dam 100 feet high, 430 feet long on top and 90 feet long at bottom, constructed of concrete, single arch with Radial gates and syphon. Estimated cost, \$4,000,000. (1463).

J. B. High and J. W. Schmitz for proposed Madera Irrigation District, Madera, 5,000 cubic feet per second from San Joaquin River and Fine Gold and Willow Creeks, Fine Gold Creek tributary to San Joaquin River and Willow Creek tributary to Fine Gold Creek, Madera County, for irrigation of land in Madera County to be included in proposed Madera Irrigation District. Water to be used on 350,000 acres. Amount of water to be stored 1,150,000 acre feet. Diversion works consist of concrete dam 100 feet high, 1300 feet long on top and 200 feet long at bottom. Estimated cost, \$15,000. (1465).

D. P. O'Sullivan, Colusa, 20 cubic feet per second from Sacramento River, Colusa County, for irrigation of 300 acres. Water will be diverted by

means of a ditch 1 mile long, and a concrete dam. Estimated cost, \$8,000. (1469).

C. Pucheu, Vice-President, and E. F. Mitchell, President, of Mendoto Irrigation District, Fresno, 400 cubic feet per second from Fresno Slough or North Fork of Kings River, for agricultural purposes on 87,118.79 acres. Amount of water to be stored, 100,000 acre feet. Water is to be diverted over a dam 20 feet high, 40 feet long on top and 32 feet long at bottom, constructed of wood, into main canal 22 miles long. Estimated cost, \$500,000 exclusive of reservoir site. (1470).

W. D. Wagner, for proposed Merced Irrigation District, Merced, 2500 cubic feet per second from Merced River, Merced County, tributary to San Joaquin River, for agricultural purposes. Water to be used upon 180,000 acres. Amount of water to be stored 600,000 acre feet. On October 19, 1919, applicant was allowed 6 months to file maps. (1473).

Mokelumne River Power & Water Co., San Mateo, 250 cubic feet per second from South Fork Mokelumne River, Calaveras County, tributary of Mokelumne River, for power purposes. Total amount of water to be stored, 1500 acre feet. Diversion works consist of main ditch 5½ miles long, and a dam 70 feet high, 300 feet long on top, 30 feet long at bottom, constructed of loose rock, with concrete pavement on up-stream side, sides slopes 1 to 1, downstream 1½ to 1; syphon type spillway built at side of dam in canyon wall. Estimated cost, \$186,000. (1477).

Mokelumne River Power & Water Co., San Mateo, 150 cubic feet per second from North Fork Calaveras River, Calaveras County, tributary of Calaveras River, for power development. Amount of water to be stored, 18,000 acre feet. Total amount of power to be developed, 12,750 T. H. P. Water is to be diverted through a canal 4½ miles long. Estimated cost, \$502,500. (1478).

Mokelumne River Power & Water Co., San Mateo, 200 cubic feet per second from Middle Fork Mokelumne River, Calaveras County, tributary of Mokelumne River, for power purposes. Amount of water to be stored, 40,000 acre feet. Total amount of power to be developed 6700 T. H. P. Diversion works: Outlet by tunnel controlled by gates in shaft from storage reservoir. Estimated cost, \$600,000. (1479).

Mokelumne River Power & Water Co., San Mateo, 100 cubic feet per second from Esperanza Creek, Calaveras County, tributary to North Fork Calaveras River, for power purposes. Diversion works consist of ditch 3 miles long, and a dam 10 feet high, 30 feet long on top and 10 feet long at bottom, of rubble masonry; spillway over top. Estimated cost, \$25,000. (1480).

Mokelumne River Power & Water Co., San Mateo, 250 cubic feet per second from North Fork Calaveras River, Calaveras County, tributary of Calaveras River, for power purposes. Diversion works consist of canal 5 miles long, and a dam 20 feet high, 100 feet long on top and 20 feet long at bottom, of rubble masonry; wasteway over crest of dam. Estimated cost, \$75,000. (1481).

Mokelumne River Power & Water Co., San Mateo, 200 cubic feet per second from South Fork Mokelumne River, Calaveras County, tributary of Mokelumne River for development of power. Total amount of power to be developed, 32,250 T. H. P. Water to be diverted over a dam 10 feet high, 50 feet long on top and 10 feet long at bottom, of rubble masonry, with waste way over crest, into main ditch 8 miles long. Estimated cost, \$650,000. (1482).

San Dimas Water Co., San Dimas, 4,000 acre feet per annum from San Dimas Canyon, Los Angeles County, tributary of San Gabriel River, for agricultural and domestic purposes. Water to be used on 2,000 acres. Amount of water to be stored, 4,000 acre feet. Diversion is to be by means of a dam, now under construction by Los Angeles County Flood Control District, under its flood control program in the San Dimas Canyon, and main pipe lines. Estimated cost, \$278,000. (1483).

The Southern Sierras Power Company, Riverside, 6 cubic feet per second from McGee Creek, Inyo County, tributary of Owens River, for power purposes. Total amount of power to be developed, 250 T. H. P. Diversion works consist of main pipe line 0.24 miles long, and a rubble masonry dam, 6 feet high, about 24 feet long on top and about 24 feet long at bottom. Estimated cost, \$12,000. (1485).

## LIGHTING SYSTEMS

SAN LEANDRO, Alameda Co., Cal.—Bids will be received by the Trustees, J. J. Gill, City Clerk, up to December 1st, 8 P. M. for the construction of 51 lighting posts to be erected in portions of East Fourteenth street.

The posts will have concrete foundations 30-inches square at the bottom and 20 inches square at the top by 24 inches in depth. The posts will be of reinforced concrete 9 ft. 5 in. high and will have one nitrogen filled lamp enclosed in a glass globe.

Plans may be seen at the office of R. H. Goodwin, City Engineer, 579 25th street, San Leandro.

Certified check of 10% payable to City of San Leandro must accompany each bid.

## MACHINERY

SALINAS, Monterey Co., Cal.—The County Supervisors have instructed County Purchasing Agent A. G. Winkler to buy a road grader and steam scarifier and a carload of carbon bisulphide.

## ENGINEERING

### SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

ORLAND, Glenn Co., Cal.—The City Trustees, finding the majority of taxpayers as being in favor of paving the main streets of the City, have decided to start proceedings providing for the work. The Trustees consider the repairs to the present improvements too costly.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to the Municipal Improvement Co., 357 12th St., Oakland, for the improvement of portions of 23rd and 29th Aves. by grading, constructing brick gutters and concrete curbs, laying an asphalt pavement, 10, 16 and 21 inch pipe conduits, concrete culvert, catchbasins, manholes with standard and inlet tops and storm water inlets.

BEND, Ore.—The contract for the construction of the west central sewer main and laterals has been awarded by the City Council to the United Contracting Co. at \$13,500.50.

MODESTO, Stanislaus Co., Cal.—The Standard Paving Co., being the only bidders, the City Council has awarded contracts for the improvement of H street, west to the Paradise road, and Modesto avenue from McHenry to Johnson street. The bid was 18½ cents per square foot in each case.

LOS ANGELES, Cal.—Until 2 P. M., December 1, bids will be received by the Supervisors of Los Angeles County for constructing a water system in Los Angeles County Water Works District No. 4, City of Lancaster; also for furnishing and erecting a steel tank of 75,000 gallons capacity with tower, for the same district, in accordance with plans and specifications on file at the office of the Board. Certified check for 10% required. A. M. McPherron, Clerk.

SANTA ROSA, Sonoma Co., Cal.—Bids for the construction of a septic tank costing \$8,000, will be called by the City Council shortly, plans having been approved. The tank will be 400 feet long, 15 feet wide and 5 feet deep.

ORLAND, Glenn Co., Cal.—The City Council has instructed the City Engineer to prepare plans, specifications and estimates of costs for extensions of the present water and sewer systems.

These section include the new Spence Addition, the east part of the Papst Addition, the Fair Ground section and the east end of Central Avenue.

PLACERVILLE, El Dorado Co., Cal.—Bids will be received by the County Supervisor, Arthur J. Koletzke, County Clerk, up to December 2nd, 2 P. M., for the building of an earth surface public wagon road, commencing at Station O, at center of present Coloma and Green Valley Road North No degrees 45 minutes 1, 522 feet from the SW corner of SE¼ of NE¼ of Section 13, Twp 10 N R 9 East, M D M and running easterly on surveyed line on northerly side of Dry Creek 6113.20 ft. to point of intersection with present Placerville and Green Valley Road, in the SW¼ of SE¼ of Section 18, Twp 10, N R 10 East, M D M.

Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, has instructed City Attorney Archibald Yell to take up with the State Railroad Commission the matter of constructing a subway at Sixteenth street through the B street levee beneath the

tracks of the Southern Pacific Company. If the permit is granted by the Railroad Commission the work will be placed under way at once.

YREKA, Siskiyou Co., Cal.—A petition having been received asking the Trustees to provide for the installation of a sewer in Miner street west of Gold, City Engineer Sarter was instructed to submit a report showing costs, etc.

HOLLISTER, San Benito Co., Cal.—The Town Engineer has been instructed by the Trustees to prepare plans and specifications for street fronting the Rivers property in Stone's Addition on Hawkins street.

ARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to December 1st, 11 A. M., for grading of Section No. 2 of Division No. 10 of County Highway, which section begins at summit of Barry Hill and runs westerly to Santa Fe Railway a distance of 1.23 miles.

Plans may be had from the County Clerk.

SACRAMENTO, Cal.—The possibilities of constructing a highway from the north and east crossing of the American River near Elvas to relieve congestion on the Auburn Boulevard leading to Sacramento, is being considered by the City Commissioners.

The highway would lead out of Sacramento to the east of E street going under the Southern Pacific tracks on the levee near Elvas, crossing the American River just above the Southern Pacific bridge and running north along the east side of the Southern Pacific track to Roseville until it met the Auburn Boulevard.

If the highway is approved the county would have to build the American River bridge, and construct the highway from the Auburn Boulevard to Elvas, where the city limits begin.

STOCKTON, San Joaquin Co., Cal.—Plans are being completed in the office of the City Engineer for the improvement of streets in Lomita Park.

SACRAMENTO, Cal.—The following awards were made by the Advisory Board of the Department of Engineering on November 6th, 1919:

To H. H. Lienau, Redlands, Cal. For the construction of a section of State highway in Riverside and San Bernardino Counties, Division VII-Route 26-Section B, (Between County Highway No. 32 and Beaumont, 7.1 miles).

Contract price, \$63,622.75.

Engineer's Estimate, \$91,621.15.

To Lynn S. Atkinson Jr., 1124 5th St., Sacramento, Cal. For the construction of a section of State highway in Tehama County, Division II-Route 3 Section A, (Between two miles north of Vina and Los Molines, 4.5 miles).

Contract price, \$53,485.50.

Engineer's Estimate, \$75,134.40.

To George R. Curtis, 2440 E26th St., Los Angeles, Cal. For the construction of a section of State highway in Ventura County, Division VII-Route 2 Sections A and B, (Between Southerly Boundary and Conejo Grade, 5.2 miles).

Contract price, \$114,350.

Engineer's Estimate, \$112,150.

LODI, San Joaquin Co., Cal.—The City Trustees have awarded a contract to the Clark & Henry Construction Co., 38 S-Sutter St., Stockton, for paving South School street.

TRACY, San Joaquin Co., Cal.—J. E. Johnston, E-10th St., Tracy, has been awarded a contract by the City Trustees for the grading and paving of streets in the Rosedale section and work in two parts of the town on Third and C streets, on his bid of \$33,044.15. Three other bids were received, these from Bos & O'Brien of San Francisco, F. A. Clark, San Francisco and H. Laiblin of Manteca.

NAPA, Napa Co., Cal.—The City Council has awarded a contract to Geo. Errington, E-Third St., Napa, for the improvement of Napa and Caymus streets at \$6,096.86.

SALINAS, Monterey Co., Cal.—The City Engineer has been instructed to prepare plans for the construction of cement concrete sidewalks on North Main street for Menke street to the junction of Main and Sausal streets, on both sides of the street.

NAPA, Napa Co., Cal.—The City Engineer has been instructed to prepare plans for a sewer from Franklin street to the Thompson property in Elm street.

MARTINEZ, Contra Costa Co., Cal.—After hearing protests on the proposed sewer and paving districts the City Trustees decided to lay the proposed work over until the first meeting of the Board in December, when a decision will be rendered.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has passed resolution of intention providing for the following work:

Construction of artificial stone sidewalks in the east and west sides of Fresno avenue from the south line of Belmont avenue to the north line of Divisadero street.

Improvement of Wishon avenue from the south line of Van Ness avenue to a point 10 feet north of the south line of Block 5, Wilson's North Fresno Tract and to a point 29 feet north of Block 4, Wilson's North Fresno Tract on the east side of the Fresno Traction Company's tracks, by grading; constructing cement concrete curbs and gutters; corrugated iron culverts; culvert manholes; laying of cement concrete base, 4 inches thick and a bitulithic wearing surface 1½ inches thick.

Improvement of La Salle avenue from the west line of Blackstone avenue to the west side of Glenn avenue, by grading; cement concrete curbs; artificial stone sidewalks; corrugated iron culverts and oiling roadway between gutter lines.

YUBA CITY, Sutter Co., Cal.—The Supervisors have instructed the County Engineer to prepare plans and specifications for the construction of five miles of road directly south of Yuba City. Bids will be asked for several types of construction.

#### COUNTY HIGHWAY PROJECTS.

FRESNO, Fresno Co., Cal.—The

County Supervisors have instructed County Highway Engineer Chris. P. Jensen to prepare the necessary surveys for eight additional highway units planned under the county bond issue.

Surveys have been ordered on the following units:

Adams avenue east to the city of Reedley, mileage 12.

From Fowler south on the Fowler-Laton road to Nebraska avenue, thence east to Selma, mileage 7.50.

From the terminus of the first named contract on Adams avenue north and west through Del Rey to the corner of Washington and McCall avenues.

From Sanger north to Ventura avenue, mileage 1.50.

Fowler-Laton road from the intersection of Nebraska avenue to the county line near Laton, mileage 10.

From Madera avenue west on White's Bridge road to Eldorado avenue, including one mile south from White's Bridge to Kerman, mileage 9.

On the Sanger-Kingsburg avenue from the south city limits of Kingsburg to the Kings county line, and Conejo avenue from the east city limits of Kingsburg east to the Tulare county line.

Clovis avenue from Melvin to Clovis. The above units cover approximately 50 miles. The type of paving to be used will be determined upon adoption of the formal plans.

GRIDLEY, Butte Co., Cal.—The City Trustees have accepted the plans of City Engineer John Felleman for the paving of several streets and have passed a resolution of intention providing for the work.

Plans call for the paving of Hazel street east and west to the city limits from the points of completion of the present paving. The paving will conform in width to the present width of the streets. Sycamore street is to be paved from the east city limits to the west property line of Indiana street, Spruce street from the west property line of Vermont street to the east property line of Virginia street; Indiana street from the south gutter line of Spruce street to the north property line of Sycamore street.

SAN FRANCISCO.—Following bids were received by the Board of Public Works for the improvement of 42nd avenue between Geary and Anza streets:

C. B. Eaton.....	\$12,840.80
Blanchard, Crocker & Howell	12,952.27
Fay Improvement Co.....	13,688.90
Raisch Improvement Co.....	12,859.60
Flinn & Treacy.....	11,385.28

No bids were received by the Board for the improvement of Roanoke St between Arlington and Chenery Sts.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors have awarded a contract to Cy Moreing, Commercial & Savings Bank Bldg., Stockton, for the construction of 4½ miles of the Borden road. The contract calls for a 16-foot highway with a 6-inch topping of crushed rock. The estimated amount of material needed is about 7040 cubic feet. Moreing's bid was \$3.65 a cubic foot. The total amount of the contract is \$25,000.

SACRAMENTO, Cal.—The California State Highway Commission has de-

cided to do the following highway improvement by force account. A. J. Fairbanks of Willits submitted the lowest bid at \$98,417, and the Engineer's estimate is \$81,266.50.

Placer County, between Auburn and Northern Boundary (III-Pla-17-C), about 6.6 miles in length to be paved with Portland cement concrete.

TWIN FALLS, Ida.—The City Council has let the contract for 12 miles of city paving to the Warren Construction Company of Portland Ore. The contract figures was \$733,627.90 for bitulithic paving. Charles H. Mull was the only competing contractor, his bid being about \$7000 above that of his competitor.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the City Trustees, Charles E. Daley, City Clerk, up to November 24th, 8 P. M., for the improvement of portions of High, Talbart, Main, Escobar, Howard Castro and Berrelles streets by grading and paving; installation of corrugated iron and concrete culverts; concrete curbs; vitrified ironstone sewers, etc.

Certified check of 10% must accompany each bid. Plans and further information may be had from the City Clerk at Martinez.

SAN BERNARDINO, Cal.—The City Council has approved plans and specifications for 19,210 feet of sewers to be constructed in the southwest part of the city. The sewers will be 6 to 12 inches. An assessment district will be created. W. D. Brown, City Engineer.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—The County Engineer is making preliminary surveys for the continuance of the state highway through the City of San Luis Obispo. The work will cost about \$28,000. Construction will depend on the outcome of the county highway bond issue to be voted upon December 16th.

Preliminary plans for the construction of the Paso Robles-Cambria road to cost, about \$8,000, is being completed by the County Engineer. F. J. Rodriguez is County Clerk.

MARTINEZ, Contra Costa Co., Cal.—

County Surveyor Ralph R. Arnold reports plans nearing completion of the proposed seventeen mile road to be known as the Scenic Highway, from Bryant, on the tunnel road, to San Pablo. Plans will be ready for contractors to submit figures by the first of the year.

TACOMA, Wash.—Bids will be received by the Pierce County Commissioners up to November 28th, 11 A. M., for the construction of highways under the recent \$7,500,000 bond issue.

The work includes 20 miles of grading and paving and is estimated to cost \$492,000.

The projects listed under the call for bids include 2 miles of clearing, grubbing and grading of the Eatonville highway, known as Bond Issue Proposition No. 24, cost \$73,400; 12 miles of grading and paving of the Spanaway-McKenna Highway, Propositions Nos. 20, 21 and 22, costing \$287,600; 1½ miles grading and paving of


the James R. Thompson road, Propositions Nos. 18 and 19, costing \$102,000, and 2 miles clearing and grading of the East Side Drive, Bond Issue No. 2, costing \$30,900.

Plans may be had from County Engineer White at Tacoma.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to December 1st, 11 A. M., for furnishing and delivering of coarse and fine aggregate for use on the County highways during the year 1920.

## FIRE EQUIPMENT.

SAUSALITO, Marin Co., Cal.—The City Trustees have awarded a contract to the American Rubber Co., 356 Market St., San Francisco, for furnishing and delivering 1,000 feet of 2½ inch rubber hose for use of the fire department. The hose must stand a pressure of four hundred pounds per square inch.



**SAVES YOU MONEY**

New and re-nused screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

**PACIFIC PIPE CO.,**  
231 Howard St.      San Francisco

## ENGINEERING SOCIETY TAKES IN FIRST WOMAN.

STANFORD UNIVERSITY, Cal.—Miss Kirby Ingolsby, first woman student to be elected to the American Mechanical Engineering Society, has been initiated into the local chapter of that organization. Miss Ingolsby is a junior student at Stanford and is preparing herself for mechanical engineering as a profession. She is the only woman student ever registering in the mechanical engineering department here.

Although Miss Ingolsby spends most of her time working in overalls in the machine shop and foundry, she has taken part in many college activities including journalism, swimming, and as composer of the opera given by the junior class last year.

## SALE OF MACHINE TOOLS TO BELGIUM.

The director of sales announces the War Department has entered into a contract with La Construction Metallique, a co-operative society composed of the heads of approximately 500 industrial organizations of Belgium, for the sale of a quantity of surplus machine tools held by the War Department.

The Belgian government has arranged, through American banking interests, for a credit of \$50,000,000 in the United States, and La Construction Metallique has been authorized by the Belgian government to make purchases of machine tools against this credit to the extent of 25,000,000 francs. To date La Construction Metallique has purchased from the War Department approximately 2,500 machine tools.

The contract with La Construction Metallique was made by C. W. Hare, director of sales, during his recent visit to Europe. La Construction Metallique recently sent to the United States a commission headed by Lieutenant Jean Jean, the director general of the co-operative society, to make a general survey of the mechanical equipment which the bureaus of the War Department hold as surplus.

The machine tools sold to La Construction Metallique are now being selected from the several districts of the ordnance department, the air service, and the purchase and storage service, and are being put in transit to Belgium as rapidly as they can be prepared for shipment.

## ROAD MATERIAL TO COST MORE THAN HALF MILLION.

RICHMOND, Cal.—According to figures prepared by County Surveyor Ralph Arnold, the cost of materials for the county highway system planned under the \$2,600,000 bond issue will be \$550,000. At the next meeting of the Supervisors Arnold will present a plan for the purchase of all the material at one time, hauling it to the sections to be built and having it all in readiness for the work that starts in the spring. He says that by buying the sand and gravel and rock this fall a large amount of money can be saved. According to his figures the material to be used will comprise 110,000 tons of rock, 50,000 tons of sand and 115,000 barrels of cement. This material will build forty-eight miles of first-class highway and nineteen and a quarter miles of secondary roads.

## ASK HELP OF U. S. TO REBUILD HOMES.

SAN JUAN, Porto Rico.—To interest people in the United States in the rebuilding of homes and properties destroyed a year ago by the earthquake, the Western Porto Rico Building Association has sent a commission to New York which will establish headquarters there from which to direct their work. It is proposed to advance money to owners of property for long period of years and without interest. As repayments are made the association will use the funds for building schools and hospitals and other needed public buildings.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS.

#### San Francisco County.

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Am't.
2464	Lame	Arras	6000
2465	Bonneau	Bonneau	5000
2466	Johnson	Thunberg	5000
2467	Kessel	Hantzsche	4770
2468	Lang	Lang Realty	400
2469	Bankers Inv Co	Malloch	2330
2470	St. Joseph's	Fennell	5222
2471	Thomson	Reedy	2000
2472	Rjorkman	Holmgren	2900
2473	Helwig	Glaser	900
2474	Mires	Hatch	400
2475	Tracy	Keenan	1135
2476	Peacock	Western Bldw	3500
2477	Zellerbach	Hoin	2500
2478	Levin	Levin	18000
2479	Hall	Hall	3000
2480	Homestead Rlty	Owner	3000
2481	Lash	MacDonald	900
2482	Gandolfo	Owner	500
2483	Eisenbach	Fontanella	490
2484	Webbin	Thunberg	5000
2485	Dock Motor	Amer Con	33000
2486	Bronstein	Owner	4000
2487	Garden Homes	Morton	6300
2488	Garden Homes	Morton	10500
2489	Hein	Roemer	3800
2490	Little	Little	8000
2491	Kruger	Schmitt	14900
2492	Bates	Boyer	1300
2493	Minetti	Barrett	400
2494	Buckley	Owner	800
2495	Schmidt	Munster	500
2496	Western Un	Malloch	1000
2497	Nicholson	Mulcahy	7500
2498	Bauer	Owner	6000
2499	Gen Cigar	Macdonald	60000
2500	Bake Lite	Owner	500
2501	Lundstrom	Owner	400
2502	Panto	Sandberg	400
2503	Hamburger	Schultz	8900

### GARAGE

(2464) W HOFF 247 S 16th. One-story concrete garage.  
Owner—J. A. Lame, 316 Sharon Bldg., San Francisco.  
Architect—Arthur S. Bugbee, 316 Sharon Bldg., San Francisco.  
Contractor—Adam Arras, 110 Jessie, San Francisco.  
COST, \$6000

### ADDITION

(2465) NO. 2550 SAN BRUNO AVE. Addition of 2 rooms for dwelling.  
Owner—A. F. Bonneau, 2548 San Bruno Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$500

### FRAME FLATS

(2466) W TWENTY-SECOND AVE 225 N Geary. Two-story and basement frame (2) flats.  
Owner—John Johnson, 12 Mars, S. F.  
Architect—None.  
Contractor—Gus E. Thunberg, 690 9th Ave., San Francisco.  
COST, \$5000

### FRAME DWELLING

(2467) W THIRTY-FIRST AVE 125 N Geary. One-story and basement frame dwelling.  
Owner—H. J. Kessel, 467 31st Ave., San Francisco.  
Architect—None.

Contractor—G. M. Hantzsche, 528 31st Ave., San Francisco.

COST, \$4770

### FRAME DWELLING

(2468) LOT 21 BLK 2988, Claremont Court. Two-story and basement frame dwelling.  
Owner—R. D. Lang, Mills Bldg., S. F.  
Architect—Lang Realty Co.  
Contractor—Lang Realty Co., Mills Bldg., San Francisco.  
COST, \$4500

### ALTERATIONS

(2469) NO. 51 GEARY AND 722 Market. All work for alterations and additions to building occupied by Western Union Telegraph Co.  
Owner—Bankers Investment Co., Prem  
Architect—F. H. Meyer, 742 Market, San Francisco.  
Contractor—J. S. Malloch, 110 Jessie, San Francisco.  
Filed Nov. 10, '19. Dated Nov. 4, '19.  
On 1st of each month..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$2330  
Bond, \$1165. Surety, The Fidelity & Casualty Co. Limit, 50 days. Forfeit, none. Plans and specifications filed.

### RETAINING WALL

(2470) PARK HILL AND BUENA Vista Ave. All work for retaining wall for St. Joseph's Home and Hospital.  
Owner—St. Joseph's Home & Hospital.  
Architect—Leo J. Devlin, Pacific Bldg San Francisco.  
Contractor—Fennell & Chisholm 180 Jessie, San Francisco  
Filed Nov. 10, '19. Dated Oct. 23, '19.  
On 1st of each month..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$5922.25  
Bond, \$6000. Sureties, D. J. Sullivan Jno. McGuigan and Jno. W. Bender. Limit, 40 days. Forfeit, none. Plans and specifications filed.  
NOTE:—1st report Nov. 6, No. 2432

### FRAME SHED

(2471) W MISSION 70 N Charles. One-story frame moulding shed.  
Owner—H. S. Thomson, Mission and Charles, San Francisco.  
Architect—None.  
Contractor—Wm. M. Reedy, 267 Ellsworth, San Francisco  
COST, \$2000

### FRAME DWELLING

(2472) W SEVILLE 152 E Cordova. One-story and basement frame dwlg  
Owner—Rjorkman & Holmgren, 1206 Naples, San Francisco.  
Architect—None.  
Contractor—Victor Holmgren, 1206 Naples, San Francisco.  
COST, \$2900

### BAKE OVEN

(2473) NO. 41 STOCKTON. Brick bake oven.  
Owner—H. Holwig, Premises, 41 Stockton.  
Architect—None.

Contractor—J. P. Glaser & Co., 2480 Union, San Francisco.

COST, \$900

### ALTERATIONS

(2474) NO. 3122 FULTON. Move and alter.  
Owner—J. F. Mires, 44 Palm Ave., San Francisco.  
Architect—None.  
Contractor—H. L. Hatch, 4439 Geary, San Francisco.  
COST, \$400

### FRAME FLATS

(2475) E MASONIC AVE 15 S Fulton. All work for two-story and basement frame (2) flats.  
Owner—Mamie J. or Marie J. Tracy, 1135 Masonic Ave., San Francisco.  
Architect—None.  
Contractor—H. C. Keenan, 300 Webster, San Francisco.  
Filed Nov. 12, '19. Dated Nov. 11, '19.  
Frame up ..... \$2829  
Brown coated ..... 2829  
Completed ..... 2829  
Usual 35 days ..... 2828  
TOTAL COST, \$11315  
Bond, none. Limit, Feb. 11, 1920. Forfeit, none. Plans and specifications filed.

### STORE FIXTURES

(2476) SW MARKET AND SIXTH. All work for store fixtures.  
Owner—Peacock Drug Co.  
Architect—Earle B. Bertz, 68 Post St., San Francisco.  
Contractor—Western Hardwood Mfg. Co., 1034 Golden Gate Ave., S. F.  
Filed Nov. 12, '19. Dated Nov. 12, '19.  
Mezzanine floor, partitions on same and laboratory completed..... \$1000  
All wood work installed..... 1000  
Completed and accepted..... 625  
Usual 35 days..... 875  
TOTAL COST, \$3500  
Bond, none. Limit, Dec. 22, 1919. Forfeit, \$25 Plans and specifications filed.

### REPAIRS

(2477) NE ARGUELLO BLVD. AND Geary. Repair brick work, wood floor, etc.  
Owner—Zellerbach-Levinson Co., 1540 California, San Francisco.  
Architect—S. Heiman, 57 Post St., San Francisco.  
Contractor—Theo. S. Hoin, 1739 Washington, San Francisco.  
COST, \$2500

### AUTO SALESROOM

(2478) E VAN NESS AVE 63-10 S Clay. One-story concrete auto salesroom.  
Owner—Julius Levin Co., Humboldt Bank Bldg., San Francisco.  
Architect—E. E. Young, 251 Kearny, San Francisco.  
Day's work. COST, \$18,000

### FRAME DWELLING

(2479) W EASTWOOD 85 N Wildwood. One-story and basement frame dwelling.



Owner—C. A. Hall, 1301 14th Ave., S. F.  
 Architect—None.  
 Day's work. COST, \$3000

REPAIRS  
 (2480) NOS. 929-31-35 SILVER AVE.  
 Repair fire damage to dwellings.  
 Owner—Homestead Realty Co., 701  
 Market, San Francisco.  
 Architect—None.  
 Day's work. COST, \$3000

OFFICE, ETC.  
 (2481) NW ARKANSAS AND 17th.  
 One-story frame sales room and office.  
 Owner—Horace Lash, Monadnock  
 Bldg., San Francisco.  
 Architect—None.  
 Contractor—J. A. MacDonald, 864 Mc-  
 Allister, San Francisco.  
 COST, \$900

FRAME DWELLING  
 (2482) S GENEVA 350 W Paris.  
 One-story and basement frame dwlg.  
 Owner—David Gandolfo, 928 Geneva,  
 San Francisco.  
 Architect—None.  
 Day's work. COST, \$500

ALTERATIONS  
 (2483) SW HOWARD AND SIXTH.  
 Alter for meat market.  
 Owner—Eisenbach Co., Flatiron Bldg.,  
 San Francisco.  
 Architect—None.  
 Contractor—L. Fontanella, 1920 Pine,  
 San Francisco.  
 COST, \$400

ALTERATIONS  
 (2484) SE FULTON & BRODERICK.  
 Alter 3 flats and store into 3 and 4  
 room apartments.  
 Owner—W. Weblin, 3626 Sacramento,  
 San Francisco.  
 Architect—None.  
 Contractor—Oscar Thunberg, 678 9th  
 Ave., San Francisco.  
 COST, \$5000

GARAGE  
 (2485) N CALIFORNIA 137-6 E Hyde  
 Two-story concrete garage.  
 Owner—Dock Motor Co., 320 Pierce,  
 San Francisco.  
 Architect—None.  
 Contractor—American Concrete Co.,  
 785 Market, San Francisco.  
 COST, \$33,000

ALTERATIONS  
 (2486) E WEBSTER 25 S O'Farrell.  
 Alter and add for two-story frame  
 (2) flats.  
 Owner—N. Bronstein and N. Gevisky,  
 1120 Pierce, San Francisco.  
 Architect—W. H. Armitage, 1107 Pierce  
 San Francisco.  
 Day's work. COST, \$1000

FRAME DWELLING  
 (2487) W SAN PABLO 393 S Portal  
 Drive. One-story and basement  
 frame dwelling.  
 Owner—Garden Homes Co., 278 Post,  
 San Francisco.  
 Architect—Henry H. Gutterson, 278  
 Post, San Francisco.  
 Contractor—John Morton, 180 Jessie,  
 San Francisco.  
 COST, \$6300

DWELLING  
 (2488) W SANTA PAULA 173 S Porta-  
 lola Drive. Two-story and basement  
 frame dwelling

Owner—Garden Homes Co., 278 Post,  
 San Francisco.  
 Architect—Henry H. Gutterson, 278  
 Post, San Francisco.  
 Contractor—John Morton, 180 Jessie,  
 San Francisco.  
 COST, \$10,500

ALTERATIONS  
 (2489) NO. 228 POWELL. New front,  
 shelves, partitions and electric work  
 Owner—F. L. Hein & Son, Premises.  
 Architect—F. A. Roemer.  
 Contractor—F. A. Roemer, 2904 Jack-  
 son, San Francisco.  
 COST, \$3800

FRAME FLATS  
 (2490) SE CARRILLO AND NINE-  
 tenth Ave. Two-story and base-  
 ment frame (4) flats.  
 Owner—John Little, 1035 Lincoln Way  
 San Francisco.  
 Architect—E. E. Young, 251 Kearny,  
 San Francisco.  
 Day's work. COST, \$8000

ALTERATIONS  
 (2491) NO. 1430 McALLISTER. Erect  
 partitions, construct baths, wall  
 beds, hardwood floors, tile baths, rat-  
 proofing, glazing, electric work, fire  
 escapes, painting, Marshall Stearns  
 wall beds, Hoosier cabinets, etc., for  
 altering three-story frame flats into  
 apartments.  
 Owner—S. A. Kruger 2569 Mission St.,  
 San Francisco.  
 Architect—O. E. Evans, 2569 Mission  
 St., San Francisco.  
 Contractor—E. A. Schmitt, Premises.  
 COST, \$14,900

ADDITIONS  
 (2492) NO. 2767 CLAY. Addition to  
 dwelling and concrete foundation.  
 Owner—Geo. E. Gates, Premises.  
 Architect—None.  
 Contractor—Boyer & Sons, 2407 Cali-  
 fornia, San Francisco.  
 COST, \$1300

ADDITION  
 (2493) NO. 3223 CLAY. Add sleeping  
 porch.  
 Owner—Julio Minetti, 3225 Clay, S. F.  
 Architect—None.  
 Contractor—Barrett & Hilp, Sharon  
 Bldg., San Francisco.  
 COST, \$400

ALTERATIONS  
 (2494) SE FLORIDA AND TWENTY-  
 sixth. Tar and gravel roof; alter  
 store front and concrete floor.  
 Owner—John Buckley, 207 Dolores,  
 San Francisco.  
 Architect—None.  
 Day's work. COST, \$800

ADDITION  
 (2495) NO. 400 LINARES AVE. Add  
 sun porch, plaster, etc.  
 Owner—John Schmidt, Premises.  
 Architect—None.  
 Contractor—Munster & Bornholdt, 1530  
 Broderick, San Francisco.  
 COST, \$500

ALTERATIONS  
 (2496) S TEHAMA 200 E Fourth.  
 Erect T. & G. partition and 2 terra  
 cotta flues.  
 Owner—Western Union Telegraph Co.,  
 712 Market, San Francisco.  
 Architect—None

Contractor—J. S. Malloch, 180 Jessie,  
 San Francisco.  
 COST, \$1000

BRICK WORK, ETC.  
 (2497) N PACIFIC 103-6 E Stockton  
 N 117-6xW 34. Brick work, exca-  
 vating, carpenter and mill, glass,  
 glazing, plumbing, roofing, concrete,  
 electrical work, cementing, etc., for  
 one-story brick building.  
 Owner—Jas. Nicholson.  
 Architect—A. A. Cantin 68 Post St.,  
 San Francisco.  
 Contractor—Thos. F. Mulcahy, 180 Jes-  
 sie St., San Francisco.  
 Filed Nov. 14, '19. Dated Nov. 14, '19.  
 On 1st and 15th of each month 75%  
 Usual 35 days. 25%  
 TOTAL COST, \$7500  
 Bond, none. Limit, 60 days after Nov.  
 17, 1919. Forfeit, none. Plans and  
 specifications filed.

FRAME DWELLING  
 (2498) LOT 2 BLK 3196 Westwood  
 Park. All work for one-story and  
 basement frame dwelling and garage  
 Owner—Lucy A. Bauer and Arthur  
 Quinn, 2506 23rd Ave., S. F.  
 Architect—Ida F. McCain, 318 Kearny,  
 San Francisco.  
 Contractor—Louis A. Bauer, 2506 23rd  
 Ave., San Francisco.  
 Filed Nov. 14, '19. Dated Oct. 28, '19.  
 Frame up and enclosed. \$1500  
 Brown coated. 1500  
 Completed and accepted. 1500  
 Usual 35 days. 1500  
 TOTAL COST, \$6000  
 Bond, \$3000. Surety, Louise Bauer.  
 Limit, 90 days. Forfeit, none. Plans  
 and specifications filed.  
 NOTE.—1st report Nov. 1, 1919 No.  
 2397.

WAREHOUSE  
 (2499) SE BRANNAN AND THIRD.  
 Two-story reinforced concrete ware-  
 house.  
 Owner—General Cigar Co., Inc., 907  
 Rialto Bldg., San Francisco.  
 Architect—Macdonald & Kahn, 907 Ri-  
 alto Bldg., San Francisco.  
 Contractor—Macdonald & Kahn, 907  
 Rialto Bldg., San Francisco.  
 COST, \$60,000

ALTERATIONS  
 (2500) NO. 220 MARKET. Alter for  
 bakery and lunch room.  
 Owner—Bake Rite Bread Factory,  
 Premises.  
 Architect—None.  
 Day's work. COST, \$500

GARAGE  
 (2501) NE DIVISADERO & GREEN-  
 wich. One-story concrete private  
 garage.  
 Owner—K. A. Lundstrom, 2100 Divisa-  
 dero, San Francisco.  
 Architect—None.  
 Day's work. COST, \$400

ALTERATIONS  
 (2502) NO. 142 FIFTEENTH AVE.  
 Rebuild sleeping porch.  
 Owner—R. Fanto, Premises.  
 Architect—None.  
 Contractor—G. Sandberg, 1141 Lake,  
 San Francisco.  
 COST, \$400

ALTERATIONS  
 (2503) E SPRUCE 27-8 1/2 S Clay S 25  
 xE 87-6. Alterations and additions  
 to two-story frame (2) flats.

Owner—H. and Daisy Hamburger, 3930 Clay, San Francisco.  
 Architect—C. S. McNally, 23 Woodland Ave., San Francisco.  
 Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.

Filed Nov. 15, '19. Dated Nov. 12, '19.  
 Frame up and roof on ..... \$2255  
 Brown coated ..... 2225  
 Completed ..... 2225  
 Usual 35 days ..... 2225  
 TOTAL COST, \$8900

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

### COMPLETION NOTICES.

#### San Francisco County

Nov. 4, 1919—LOT 5 S 10 feet Lot 4 blk 3107, Westwood Park, Ida F. McCain to H. J. Harrison, Nov. 1, 1919.  
 Nov. 8, 1919—S. FULTON 131-3 W Clayton W 25xS 137-6. Jas Ward to Chas E. Colburn, Oct. 8, 1919.  
 Nov. 8, 1919—E CENTRAL AVE 50 N Waller N 30 E 53-114 SE 34-10% m or l 71-5% m or l. Neils Schultz to whom it may concern, Nov. 1, 1919.  
 Nov. 8, 1919—N HARRISON 300 W 5th W 200xN 80. Fifth Street Co. to A. W. Lawson, Nov. 5, 1919.  
 Nov. 8, 1919—E HOMER ST 35 N 25th 25x75. Michael McDonough and Lawrence Costello to whom it may concern, Nov. 12, 1919.  
 Nov. 8, 1919—N SEVENTEENTH & Missouri N 200xW 200. Real Estate & Development Co. to M. Johnson, Nov. 1, 1919.  
 Nov. 10, 1919—LOT 13 BLK 3176, Westwood Park, Gordon W Morris to Linnie Morris, Oct. 31, 1919.  
 Nov. 10, 1919—S POST 103-11 E Hyde E 34-04S 137-6. O'Brien Kiernan Realty Co. to Kiernan & O'Brien, Nov. 1, 1919.  
 Nov. 10, 1919—LOT 9 BLK "A" Peoples Her Ass'n. Alice Cohen to H. Abrahams, Nov. 9, 1919.  
 Nov. 10, 1919—E HUGHES S Duncan S 25xS 114. William J. and Ida E Welch to Wm M. Reedy, Nov. 1, 1919.  
 Nov. 10, 1919—E FIFTH AVE AND Irving. Christ Church Lutheran. Inc. to H. Williamson Co. and California Elec Constr. Co., Nov. 7, 1919.  
 Nov. 12, 1919—E FORTY-THIRD AVE 175 S Balboa. S 25x E 120. Thos Hamill to whom it may concern, Nov. 22, 1919.  
 Nov. 12, 1919—W FRANKLIN 127-6 N Vallejo. I M Green to E J Montgomery, Nov. 8, 1919.  
 Nov. 12, 1919—S PELL 10 E Franklin E 27-6xS 120. Arthur F. Rousseau to whom it may concern, Nov. 22, 1919.  
 Nov. 12, 1919—S FEVEREY AND Keith SE 75xSW 100. E J Gallagher to Jas Arnott & Son, Nov. 12, 1919.  
 Nov. 12, 1919—S PACIFIC AVE bet. Presidio and Walnut. A B C Dohrmann to Chas Stockholm & Son, Nov. 10, 1919.  
 Nov. 13, 1919—S CLEMENT 107-6 E Ninth AVE E 52xS 100. Irene Haviland to Wegner & Bloch, Oct. 27, 1919.  
 Nov. 13, 1919—LOT 29 BLK 19. Castro Street Add'n and Glen Park Terrace. Amanda and Clement Schoenhuber to Olat Olsen, Nov. 13, 1919.  
 Nov. 14, 1919—SW FRONT & HALICK. M S Cowen to Brutcher & Serna, Nov. 8, 1919.

### LEASES.

#### San Francisco County.

Nov. 10, 1919—NO. 1120 JACKSON. Chas. Brier to Adelia V. Peralta. 5 years \$23,700.  
 Nov. 10, 1919—PTN NW ELLIS and Stockton. Dunne Investment Co. to Louis Van Vleet. 5 years \$36,000.  
 Nov. 10, 1919—E POLK 87-83. S. Clay. Mary N. Lucy H. and Edith W. Allyn to Adolph E. Barter, C. Groves, David Bernbaum, B. Taft and Solomon Resnick. 5 years 9 months. \$16,485.50.  
 Nov. 13, 1919—NO. 2811 TWENTY-fourth bet. Bryant and York. John H. P. ppe to Marya Matulich. 5 years \$1650.

Nov. 13, 1919—NOS. 64-66 SIXTH. Ashcroft Estate Co. to Jacob Rhode. 8 years. \$160 per month.  
 Nov. 13, 1919—S EIGHTEENTH 55 E Castro E 20xS 45. Gustave and Celina May, Mrs I. R. Kirby to A. Micalde. 5 years. \$30 per month.  
 Nov. 14, 1919—NO. 2 AND 2-A FALCON Ave. Cor. Danvers. John Feis to Fred G. Horner. 5 years. \$60 per month.

### BUILDING CONTRACTS.

#### Alameda County.

3439 Drinkerhoff	Jones	400
3440 Long	Vail	800
3441 Johnson	Stolte	3850
3442 Fry	Peppin	3500
3443 Thaxter	Owner	5000
3444 Woodberg	Kimball	400
3445 Miles	Horton	800
3446 Shuey	Blackock	1000
3447 Anderson	Owner	7000
3448 Ala Pub Health	Duval	4845
3449 Merz	Boehm	2000
3450 Smith	Pratt	2500
3451 Pennacy	Owner	1800
3452 Calley	Owner	3000
3453 Wallace	Wallace	500
3454 Clark Thir.	Owner	450
3455 Miller	Morgensen	750
3456 Gussi	Wingaretta	1300
3457 Williams	Owner	450
3458 Hudson	Hudson	2000
3459 Johnson	Larmer	13000
3459 Werner	Werner	2000
3460 Blakely	Owner	450
3461 Selcham	Stewart	2000
3462 Chick	Leonard	5900
3463 Iacon	Stewart	450
3464 Vandring	Almar	1750
3465 Arents	Oakley	2750
3466 Fleming	Owner	600
3467 Duere	Anderson	400
3468 Standard Invest	Owner	700
3469 Pavert	Owner	11980
3470 Same	Same	20965
3471 Same	Same	8985
3472 Same	Same	2995
3473 Same	Same	2995
3474 Same	Same	2995
3475 Hagland	Eraset	2500
3476 Pearce	Pearce	5000
3477 Rollins	Rollins	2500
3478 Graf	Graf	1350
3479 Moore	Moore	3500
3480 Prindley	Christenson	14000
3481 Derande	Nunes	13346
3482 Cal Bldrs	Owner	15000
3483 Same	Same	3000
3484 Same	Same	6000
3485 Baird	Pearson	5400
3486 Kelly Dev	Mason	3000
3487 Duncan	Dwyer	2000
3488 Thomas	Owner	650
3489 State of Cal	Cal Highway	20000
3490 Frick	Alder	2500
3491 Hl Claremont	Dawson	3000
3492 Cross	Burks	2450
3493 Blucher	Owner	3700
3494 Page	Carlson	3000
3495 Franklin Mkt	Owner	3900
3496 Cantando	Austy	800
3497 Russell	Russell	1000
3498 Talbot	Talbot	800
3499 Mkt Laundry	Pedgrift	400
3500 Newmy	Owner	400
3501 Ferguson	Owner	400
3502 Ikly Ed Ed	Owner	950
3503 Yager	Yager	2000
3504 Lapp	Linia	400
3505 Alonzi	Alonzi	400
3506 Stone	Stone	500
3507 Goodwill	Owner	735
3508 Gardner	Gardner	400
3509 Pollard	Stanley	1200

### ADDITION

(3439) NO. 388 BELLEVUE AVE., Oakland. Addition.  
 Owner—Elmer E. Drinkerhoff, Prem.  
 Architect—None.  
 Contractor—E. G. Jones, 1217 Webster St., Oakland.  
 COST, \$400

### ADDITION

(3449) NO. 1810 ALICE, Oakland. Addition.  
 Owner—A. V. Long, Franklin St., Okd.  
 Architect—Miller & Warnecke, 411 13th, Oakland.  
 Contractor—Henry R. Vail, Syndicate Bldg., Oakland.  
 COST, \$800

### DWELLING

(3441) LOT 22. BLK E. Map Bella Vista Park, Oakland. One-story frame dwelling.  
 Owner—Henrietta A. Johnson, 731 Henry St., Oakland.  
 Architect—None.  
 Contractor—F. C. Stolte, 3449 Laguna Ave., Oakland.  
 Filed Nov. 10, '19. Dated Nov. 8, '19.  
 Rafters placed ..... 4  
 Brown coated ..... 4  
 Completed ..... 4  
 Usual 35 days ..... 4  
 TOTAL COST, \$3850

Bond, \$1925. Sureties, W. H. Pollard, Jr., and C. W. Broderick. Forfeit, none. Limit, 90 days. Plans and specifications filed.

### DWELLING

(3442) W 20 LOT 12, BLK 3, Broadmoor Tract, San Leandro. One-story six-room dwelling.  
 Owner—A. J. Fry, San Leandro.  
 Architect—None.  
 Contractor—J. B. Peppin, San Leandro.

Filed Nov. 10, '19. Dated Nov. 10, '19.  
 Frame up ..... 4  
 Brown coated ..... 4  
 Completed ..... 4  
 Usual 35 days ..... 4  
 Bond, none. Sureties, none. Forfeit, \$1. Limit, 40 days. No plans or specifications filed.

### DWELLING

(3443) N DERBY 180 E Shattuck Ave. Berkeley. Two-story 7-room dwlg.  
 Owner—Georgia T. Thaxter, 1703 Virginia, Berkeley.  
 Architect—None.  
 Contractor—F. W. Thaxter, 1703 Virginia, Berkeley.  
 COST, \$5000

### ALTERATIONS

(3444) NO. 2137 HASTE, Berkeley. Alterations.  
 Owner—Lizzie K. Woodberg, 2131 Haste, Berkeley.  
 Architect—None.  
 Contractor—Roy T. Kimball, 316 Clay St., San Francisco.  
 COST, \$800

### DWELLING

(3445) KAINS AVE 105 S Camelia, Berkeley. One-story 2-room dwelling.  
 Owner—Miss T. M. Miles, 1404 5th, Berkeley.  
 Architect—None.  
 Contractor—Jas. D. Horton, 235 Blake Block, Oakland.  
 COST, \$400

### GARAGE, ETC.

(3446) NO. 2709 TELEGRAPH AVE., Berkeley. Shed and garage.  
 Owner—Lucy Creamery Co., Prem.  
 Architect—None.  
 Contractor—Blackock, Dixon, Cal.  
 COST, \$1000

### STORES

(3447) W GRAND AVE 40 N Santa Clara Ave., Oakland. One-story stores.  
 Owner—Anderson & Bryant, 5654 College Ave., Oakland.  
 Architect—None.  
 Day's work ..... COST, \$7000

## ALTERATIONS

(3448) NO. 3105 GROVE, Oakland.  
Alterations to medical clinic.  
Owner—Alameda Public Health Center.  
Care H. S. Robinson.  
Architect—None.  
Contractor—Oliver Duval & Son, Dail-  
ziel Bldg., Oakland.

COST, \$4845

## DWELLING

(3449) S ELMWOOD AVE 100 E  
Fruitvale, Oakland. One-story five-  
room dwelling.  
Owner—Edward Merz, 3221 Elmwood  
Ave., Oakland.  
Architect—None.  
Contractor—H. M. Boehmer, 210 E-  
11th, Oakland.

COST, \$2000

## DWELLING

(3450) W EL CENTRO 70 N Glendora,  
Oakland. One-story 3-room dwlg.  
Owner—Grace M. Smith, 926 33rd, Okd.  
Architect—None.  
Contractor—H. S. Pratt, 4605 El Centro  
Oakland.

COST, \$2900

## DWELLING

(3451) E EIGHTY-EIGHTH AVE 215  
S "B", Oakland. One-story 5-room  
dwelling.  
Owner—J. E. Fennacy, 304 E-16th, Okd.  
Architect—None.  
Day's work.

COST, \$1800

## DWELLING

(3452) W SHERIDAN AVE 300 S  
Proctor Ave., Oakland. One-story 5  
room dwelling.  
Owner—Henry C. Calley, Premises.  
Architect—None.  
Day's work.

COST, \$3000

## ADDITION

(3453) NO. 331 E-FOURTEENTH ST.,  
Oakland. Addition.  
Owner—Frank Wallace, Premises.  
Architect—None.  
Day's work.

COST, \$500

## GAS FURNACE

(3454) NO. 647 E-TWELFTH, Oak-  
land. Gas furnace.  
Owner—Park Theatre Co.  
Architect—None.  
Contractor—Hall Furnace Co., 512 12th  
Oakland.

COST, \$450

## ADDITION

(3455) NO. 515 FORTY-SECOND ST.,  
Oakland. Addition.  
Owner—George W. Miller, Premises.  
Architect—None.  
Contractor—Morgensen Bros., 413 44th  
Oakland.

COST, \$760

## REPAIRS

(3456) NO. 1724 CYPRESS, Oakland.  
Fire repairs.  
Owner—Gussi & Co., 1385 16th, Oakland  
Architect—None.  
Contractor—C. Wingaretta, 1393 18th,  
Oakland.

COST, \$1300

## GARAGE

(3457) NO. 573 KENMORE AVE., Oak-  
land. Garage.  
Owner—H. R. Williams, Premises.  
Architect—None.  
Day's work.

COST, \$450

## ADDITIONS

(3458) E MICHELLE 165 and 245 S

Foothill Blvd. Additions to build-  
ings.

Owner—George Hudson, 2429 E-23rd,  
Oakland.  
Architect—None.  
Day's work.

COST, \$1000 each

## APARTMENTS

(3458) W COLLEGE AVE 350 N Al-  
catraz Ave., Berkeley. Two-story  
16-room apartments and 3 garages.  
Owner—Ellen Johnson, Oakland.  
Architect—None.  
Contractor—Edw. Larmer, 470 Boule-  
vard Way, Berkeley.

COST, \$13,000

## DWELLING

(3459) E PARK 35 S Ward, Berkeley.  
One-story 5-room dwelling.  
Owner—Chas. A. Werner, 2416 10th,  
Berkeley.  
Architect—None.  
Day's work.

COST, \$2000

## ADDITION

(3460) NO. 1109 AMADOR, Berkeley.  
Addition.  
Owner—Blake Hopkins, Premises.  
Architect—None.  
Day's work.

COST, \$450

## DWELLING

(3461) NO. 1408 CENTRAL COURT,  
Alameda. One-story 4-room dwelling  
Owner—F. L. Selchan, 517 Central Ave.,  
Alameda.  
Architect—None.  
Contractor—G. W. Stewart, 3010 Cen-  
tral Ave., Alameda.

COST, \$2000

## DWELLING

(3462) S CLINTON AVE 165 W Wal-  
nut, Alameda. One-story 5-room  
dwelling.  
Owner—Harry E. Chick, 279 Diamond,  
San Francisco.  
Architect—None.  
Contractor—J. A. Leonard, 90 Cedar  
Ave., San Francisco.

COST, \$5900

## GARAGE

(3463) NO. 3000 CENTRAL AVE., Ala-  
ameda. Garage.  
Owner—Mrs. Wm. Bacon, Premises.  
Architect—None.  
Contractor—G. W. Stewart, 3010 Cen-  
tral Ave., Alameda.

COST, \$450

## ALTERATIONS

(3464) NOS. 1526-28-30 PARK, Ala-  
ameda. Alterations.  
Owner—H. B. Blanding, 150 Pine, San  
Francisco.  
Architect—None.  
Contractor—A. J. Vollmar, 2717 San  
Jose Ave., Alameda.

COST, \$1780

## DWELLING

(3465) NO. 1609 SIXTH, Alameda.  
One-story 6-room dwelling.  
Owner—O. S. Arents, 1630 Walnut St.,  
Alameda.  
Architect—None.  
Contractor—Oakley & Holmadin, 1911  
65th Ave., Oakland.

COST, \$2750

## ADDITION

(3466) NO. 1323 SANTA CLARA AVE.,  
Alameda. Addition.  
Owner—W. S. Fleming, Premises.  
Architect—None.  
Day's work.

COST, \$600

## PLASTERING

(3467) NO. 2325 VALLEY, Alameda.  
Plastering 4 rooms.  
Owner—Mr. Buere, Premises  
Architect—None.  
Contractor—J. J. Anderson, 1767 So-  
noma Ave., Alameda.

COST, \$400

## ALTERATIONS

(3468) NO. 3553 FERNSIDE BLVD.,  
Alameda. Alterations  
Owner—Standard Investment Co., 601  
18th, Oakland.  
Architect—None.  
Day's work.

COST, \$700

## DWELLING

(3469) E EIGHTY-SIXTH AVE 60, 104  
148 and 192 S Blanch, Oakland. Four  
one-story 6-room dwellings.  
Owner—R. A. Pavert, 541 12th, Okd.  
Architect—None.  
Day's work.

COST, \$2995 each

## DWELLINGS

(3470) E EIGHTY-SIXTH AVE 46, 94,  
141, 189, 236, 284 and 331 N Blanche,  
Oakland. Seven 1-story six-room  
dwellings.  
Owner—R. J. Pavert, 541 12th, Oakland.  
Architect—None.  
Day's work.

COST, \$2995 each

## DWELLINGS

(3471) E EIGHTY-SIXTH AVE 46, 94,  
and 101 S Dowling, Oakland. Three  
one-story 6-room dwellings.  
Owner—R. A. Pavert, 541 12th, Oakland  
Architect—None.  
Day's work.

COST, \$2995 each

## DWELLING

(3472) E EIGHTY-SIXTH AVE 85 S  
Olive, Oakland. One-story 6-room  
dwelling.  
Owner—R. A. Pavert, 541 12th, Oakland  
Architect—None.  
Day's work.

COST, \$2995

## DWELLING

(3473) SE EIGHTY-SIXTH AVE AND  
Dowling, Oakland. One-story six-  
room dwelling.  
Owner—R. A. Pavert, 541 12th, Oakland  
Architect—None.  
Day's work.

COST, \$2995

## DWELLING

(3474) NE EIGHTY-SIXTH AVE AND  
Blanch, Oakland. One-story 6-room  
dwelling.  
Owner—R. J. Pavert, 541 12th, Oakland  
Architect—None.  
Day's work.

COST, \$2995

## FLATS

(3475) W LINDEN 44 S 21st, Oakland  
Two-story 13-room flats.  
Owner—O. Hagland, 1456 82nd Ave.,  
Oakland.  
Architect—None.  
Contractor—O. E. Bratset Co., 2129 64th  
Ave., Oakland.

COST, \$5000

## DWELLINGS

(3476) N FOOTHILL BLVD 100 and  
180 E 55th Ave., Oakland. Two one-  
story 6-room dwellings.  
Owner—J. C. Pearce, 6932 Lockwood,  
Oakland.  
Architect—None.

COST, \$2500 each

## DWELLING

(3477) N RUTH 200 W 55th Ave., Oak-  
land. One-story 5-room dwelling.

Owner—E. E. Rollins, 357 Athol Ave., Oakland.  
 Architect—None.  
 Day's work. COST, \$2500

FLATS  
 (3478) W PERKINS 300 N Van Buren, Oakland. Two-story 16-room flats.  
 Owner—Edwin C. Graff, 1926 Broadway, Oakland.  
 Architect—None.  
 Day's work. COST, \$13,850

DWELLING  
 (3479) E SOUTH COURT 400 N Pleasant Valley Ave., Oakland. One-story 6-room dwelling.  
 Owner—Mrs. Lizzie Grindley, 933 Filbert, Oakland.  
 Architect—None.  
 Contractor—C. T. Moore, 446 38th, Okd.  
 COST, \$3500

GARAGE  
 (3480) E TWENTY-NINTH & WEBSTER, Oakland. One-story brick garage.  
 Owner—G. H. Pfund, 2812 Summit, Oakland.  
 Architect—None.  
 Contractor—C. Christenson & Son, 565 16th, Oakland.  
 COST, \$14,000

FLATS  
 (3481) SE MILES AVE. 365.91 SW College Ave. SW 96, SE 146, NE 79.32, NW 146.34, Oakland. All work for two-story, sixteen-room flats.  
 Owner—Mary Berande, 5665 Miles Ave., Oakland.  
 Architect—None.  
 Contractor—Geo. W. Nunes, 5430 Dover street, Oakland.  
 Filed Nov. 13, '19. Dated Nov. 12, '19.  
 Frame up ..... \$3334  
 Brown coated ..... 3334  
 Completed and accepted ..... 3334  
 Usual 35 days ..... 3344  
 TOTAL COST, \$13,346

Bond, Sureties, Forfeited, none. Limit, 120 days. Plans and specifications filed.

DWELLINGS  
 (3482) E NINTH 40, 80, 116, 143 and 174½ N Virginia, Berkeley. Five one-story 4-room dwellings.  
 Owner—California Builders Co., 1534 Franklin, Oakland.  
 Architect—None.  
 Day's work. COST, \$3000 each

DWELLING  
 (3483) NE VIRGINIA AND NINTH, Berkeley. One-story 4-room dwlg. s.  
 Owner—California Builders Co., 1534 Franklin, Oakland.  
 Architect—None.  
 Day's work. COST, \$3000

DWELLINGS  
 (3484) N VIRGINIA 97-6 and 64 E N'inth, Berkeley. Two one-story 4-room dwellings.  
 Owner—California Builders Co., 1534 Franklin, Oakland.  
 Architect—None.  
 Day's work. Cost, \$3000 each

DWELLING  
 (3485) E MOSSWOOD ROAD 160 N Panoramic Way, Berkeley. Two-story 7-room dwelling

Owner—R. H. Baird, Le Roy and Hillgard, Berkeley.  
 Architect—None.  
 Contractor—Ben Pearson, 2403 Grant, Berkeley.  
 COST, \$5400

DWELLING  
 (3486) S SONOMA 285 W Josephine, Berkeley. One-story 5-room dwlg.  
 Owner—Berkeley Development Co., Shattuck and Addison, Berkeley.  
 Architect—None.  
 Contractor—Mason McDuffie Co., Shattuck and Addison, Berkeley.  
 COST, \$3000

ALTERATIONS  
 (3487) NO. 1822 SIXTY-SECOND, Berkeley. Alter church into dwelling.  
 Owner—C. L. Duncan, Premises.  
 Architect—None.  
 Contractor—Wm. Dwyer, San Anselmo.  
 COST, \$2000

ALTERATIONS  
 (3488) NO. 2332 WOOLSEY, Berkeley Alterations.  
 Owner—Anna M. Thomas, Premises.  
 Architect—None.  
 Day's work. COST, \$650

WAREHOUSE  
 (3489) NW DERBY AVE AND E-10th, Oakland. One and one-half-story steel storage warehouse.  
 Owner—State of California.  
 Architect—None.  
 Contractor—California State Highway Commission, Flood Bldg., S. F.  
 COST, \$20,000

DWELLING  
 (3490) S AVENAL, 90 W 62nd Ave., Oakland. One-story 5-room dwlg.  
 Owner—W. P. Frick, Union Bank of Savings Bldg., Oakland  
 Architect—None.  
 Contractor—A. Alder, 2487 62nd Ave., Oakland.  
 COST, \$2500

GARAGE  
 (3491) CLAREMONT HOTEL, Oakland. One-story concrete garage.  
 Owner—Hotel Claremont.  
 Architect—None.  
 Contractor—J. Dawson, 2121 Durant Ave., Berkeley.  
 COST, \$3000

DWELLING  
 (3492) SW E-TWENTY-EIGHTH & Vallecito Place, Oakland. One-story 5-room dwelling.  
 Owner—R. H. Cross.  
 Architect—None.  
 Contractor—C. E. Burks, 4152 Randolph Ave., Oakland.  
 COST, \$2450

FLATS  
 (3493) W FOURTH AVE 80 N E-16th, Oakland. Two-story 7-room flats.  
 Owner—Ed. J. Beucher, 457 Van Dyke Ave., Oakland.  
 Architect—None.  
 Day's work. COST, \$3700

DWELLING  
 (3494) S HARVEY AVE 135 E 55th Ave., Oakland. One-story 5-room dwelling.  
 Owner—M. Page, 2040 55th Ave., Oakland.  
 Architect—None.

Contractor—Carlson & Hendrickson 1515 57th Ave., Oakland.  
 COST, \$300

ALTERATIONS  
 (3495) NOS. 487-489 NINTH, Oakland Alter store.  
 Owner—Franklin Market, San Francisco.  
 Architect—None.  
 Day's work. COST, \$390

ALTERATIONS  
 (3496) NO. 1541 SAN PABLO AVE., Oakland. Alterations.  
 Owner—Contando Bros., Premises.  
 Architect—None.  
 Contractor—T. J. Austy, 2766 Grove Oakland.  
 COST, \$800

ADDITION  
 (3497) NO. 6251 HAYES, Oakland Addition.  
 Owner—R. A. Russell, 1233 8th Ave., Oakland.  
 Architect—None.  
 Day's work. COST, \$1000

ALTERATIONS  
 (3498) NO. 533 KEMPTON AVE., Oakland. Alterations.  
 Owner—T. H. Talbot, Premises.  
 Architect—None.  
 Day's work. COST, \$800

TANK FRAME  
 (3499) E MYRTLE bet. 7th and 8th Oakland. Tank frame.  
 Owner—Market Laundry.  
 Architect—None.  
 Contractor—Jas. H. Pedgrift, 565 16th Oakland.  
 COST, \$400

DWELLING  
 (3500) W AUSEON AVE 25 S Dowling, Oakland. One-story 3-room dwlg.  
 Owner—W. S. Newmy, 2275 AUSEON Ave., Oakland.  
 Architect—None.  
 Day's work. COST, \$1000

ALTERATIONS  
 (3501) NO. 522 SEVENTH, Oakland. Alterations.  
 Owner—Fergenber Bros., Premises.  
 Architect—None.  
 Day's work. COST, \$400

SCHOOL  
 (3502) WARD AND CALIFORNIA, Berkeley. Temporary school.  
 Owner—Board of Education, 2133 Allston Way, Berkeley.  
 Architect—None.  
 Day's work. COST, \$950

SHOP  
 (3503) NO. 3501 CHESTNUT, Oakland. One-story shop.  
 Owner—Yager Sheet Metal Works, Premises.  
 Architect—None.  
 Day's work. COST, \$2000

GARAGE  
 (3504) W FIFTY-FIRST AVE 100 S E-14th, Oakland. Garage.  
 Owner—E. Lapp.  
 Architect—None.  
 Contractor—Manuel Linia, 5108 E-14th, Oakland.  
 COST, \$400

GARAGE  
 (3505) NO. 261 McADAM, Oakland. One-story concrete garage.

aner—Gabriel Alonzi, Premises.  
rchitect—None.  
ay's work.

COST, \$100

Contractor—O. W. Harrison, North  
Sacramento.

COST, \$7900

Contractor—F. J. Stone, 304 Mason  
Bldg., Fresno.  
COST, \$5000

## ADDITION

506) E NINETY-FOURTH AVE 350  
S "A," Oakland. Addition.  
wner—E. B. and A. L. Stone, 804  
Spreckels Bldg., San Francisco.  
rchitect—None.  
ay's work.

COST, \$500

## FRAME RESIDENCE

NO. 4224 SECOND AVE., Sacramento.  
One-story 4-room frame residence.  
Owner—E. E. Ware, 4040 2nd Ave.,  
Sacramento.  
rchitect—None.  
Day's work.

COST, \$2000

## FRAME DWELLING

LOTS 19 & 20 BLK 1, Stratford Place,  
Fresno. Frame dwelling and garage  
Owner—Geo. Ball, 1410 Van Ness Ave.,  
Fresno.  
rchitect—None.  
Contractor—A. D. Wilkins, 2294 Ivy  
St., Fresno.  
COST, \$4500

## ALTERATIONS

507) NO. 485 SIXTH, Oakland. Al-  
terations and repairs.  
wner—Goodwill Industries, 1980 Mis-  
sion, San Francisco.  
rchitect—None.  
ay's work.

COST, \$735

## ALTERATIONS

NO. 809 "J" ST., Sacramento. Remodel  
interior of restaurant.  
Owner—D. W. Carmichael, 1005 8th St.,  
Sacramento.  
rchitect—None.  
Contractor—W. P. Cippl, 314 21st St.,  
Sacramento.  
COST, \$1000

## FRAME DWELLING

LOT 4 BLK 5, Hazelwood, Fresno.  
Frame dwelling and garage.  
Owner—O. D. Atkins, 3338 Lowe St.,  
Fresno.  
rchitect—None.  
Day's work.

COST, \$3000

## GARAGE

508) NO. 711 WALKER AVE., Oak-  
land. Garage.  
wner—Thomas M. Gardner, 422 E-  
14th, Oakland.  
rchitect—None.  
ay's work.

COST, \$400

## RESIDENCE, ETC.

NO. 620 TWENTY-EIGHTH ST., Sacra-  
mento. One-story 5-room frame  
residence and garage.  
Owner—L. G. Barton, Regia Hotel, Sacra-  
mento.  
rchitect—None.  
Day's work.

COST, \$3300

## FRAME DWELLING

LOTS 1 AND 2 BLK 5, Dean Addition,  
Fresno. Frame dwelling.  
Owner—A. E. Vose, Fresno.  
rchitect—None.  
Day's work.

COST, \$1500

## ADDITION

509) NO. 5521 FOOTHILL BLVD.,  
Oakland. Addition.  
wner—Pollard & Stout, Premises.  
rchitect—None.  
Contractor—F. E. Stanley, 1507 50th  
Ave., Oakland.  
COST, \$1200

## FRAME DWELLING

LOTS 21 AND 22 BLK 33, Fresno.  
Frame dwelling.  
Owner—Geo. Scheldt, Fresno.  
rchitect—None.  
Day's work.

COST, \$1200

## BUILDING CONTRACTS.

## San Joaquin County.

## DWELLINGS

SUNSET ADDITION, Stockton. Four  
frame dwellings and garages.  
Owner—C. Olsen, 5 Mile House, Lower  
Sacramento Road, Sacramento.  
rchitect—None.  
Day's work.

COST, \$2300 each

## DWELLINGS

JACKSON ADDITION, Stockton. Three  
frame dwellings and garages.  
Owner—C. Olsen, 5 Mile House, Lower  
Sacramento Road, Sacramento.  
rchitect—None.  
Day's work.

COST, \$2300 each

## APARTMENTS

LINCOLN AND TAYLOR STS., Stock-  
ton. Frame apartments and flats.  
Owner—Edward Cassant, Stockton.  
rchitect—None.  
Day's work.

COST, \$3000

## BUILDING

N ½ OF LOT 5 BLK 4, Stockton Acres  
Subdivision No. 2, Stockton. Build-  
ing.  
Owner—H. C. Mann, Stockton.  
rchitect—None.  
Contractor—T. E. Williams, 1055 N-  
Pilgrim St., Stockton.  
Filed Nov. 7, '19. Dated Nov. 3, '19.  
Limit, 60 days.

COST, \$3100

## FRAME DWELLING

LOTS 9 AND 10 BLK 27, Fresno. Frame  
dwelling.  
Owner—P. G. Mastro, Fresno.  
rchitect—None.  
Day's work.

COST, \$2000

## FRAME DWELLING

LOTS 13 AND 14 BLK 5, Van Ness  
Heights, Fresno. Frame dwelling.  
Owner—J. H. Walker, Fresno.  
rchitect—None.  
Day's work.

COST, \$4000

## FRAME DWELLING

LOTS 21 AND 22 BLK —, Mattwan  
Addition, Fresno. Frame dwelling  
and garage.  
Owner—J. D. Good, Fresno.  
rchitect—None.  
Day's work.

COST, \$2500

## FRAME DWELLING

LOTS 24, 25 AND 26 BLK 14, Fresno.  
Frame dwelling.  
Owner—Louis Chirco, Fresno.  
rchitect—None.  
Day's work.

COST, \$3000

## COMPLETION NOTICES

## Fresno County.

Recorded. Accepted  
Nov. 7, 1919—LOTS 31 AND 32 BLK  
231, Fresno. Jacob Kunstman to  
whom it may concern...Nov. 6, 1919  
Nov. 7, 1919—BURLINGAME VILLA  
Park W 4337 Lot 4 E ½ Lot 5.  
Fresno. Wm Lambert to whom it  
may concern

## BUILDING CONTRACTS.

## Santa Clara County.

## COTTAGES

S FIFTEENTH ST. near Williams, San  
Jose. Three 5-room cottages.  
Owner—F. B. Gilger, 42 E-Santa Clara  
St., San Jose.  
rchitect—Chas. McKenzie, Bank of

## COMPLETION NOTICES.

## Alameda County.

Nov. 12, 1919—LOT 161, Map Pled-  
mont by the Lake, Oakland. Alice  
E. Harder and Lillians M. Harder  
to Harry Schwalm.....Nov. 6, 1919  
Nov. 12, 1919—SE COR MARIN  
Ave. and Santa Barbara Road, Okd  
B. H. Dunshee to Herbert F.  
Kern.....Oct. 31, 1919  
Nov. 10, 1919—LOT 11 Blair Park Tct.  
Piedmont. William MacDougall to  
W J David.....Nov. 6, 1919  
Nov. 10, 1919—LOT 9 BLK 2, 4th Ave  
Heights Extension, Okd. Jeff Van  
Jundy to whom it may concern.....  
Nov. 1, 1919  
Nov. 8, 1919—NE SAN JOSE AVE &  
Mound, Ala. Alexander Espagnolle  
to Harry C Knight.....Oct. 2, 1919

## BUILDING CONTRACTS.

## Sacramento County.

## AREHOUSE

NETENTH AND "C" STS., Sacra-  
mento. Warehouse.  
wner—Northern California Milk Pro-  
ducers Ass'n., 214 California Fruit  
Bldg., Sacramento.  
rchitect—None.  
Contractor—G. W. Kopp, 1514 15th St.,  
Sacramento.  
COST, \$2000

## IOP, ETC.

1731 TWENTY-EIGHTH ST., Sacra-  
mento. One-story frame shop and  
warehouse.  
wner—Pacific Gas & Electric Co., 1100  
"K" St., Sacramento.  
rchitect—None.  
ay's work.

COST, \$1865

## FRAME RESIDENCE

311 TWENTY-NINTH ST., Sacra-  
mento. Five-room frame residence.  
wner—Joe Fuskli, 518 ½ "K" St., Sacra-  
mento.  
rchitect—None.

## BUILDING CONTRACTS.

## Fresno County.

## FRAME DWELLING

LOTS 1, 2, AND 3 BLK 11, Paige Tct.,  
Fresno. Frame dwelling and garage  
Owner—Geo. Ball, 1410 Van Ness St.,  
Fresno.  
rchitect—None.  
Day's work.

COST, \$2200

## FRAME DWELLING

LOTS 1 AND 2 BLK 4, Palm Villa Tct.,  
Fresno. Frame dwelling and garage  
Owner—Fresno Home Bldrs., 1231 "T"  
St., Fresno.  
rchitect—None.

San Jose Bldg., San Jose.

COST, \$3500 each

#### COTTAGE

SE FIFTEENTH AND WILLIAM STS.

San Jose. Six-room cottage.

Owner—A. K. Burkett, 161 N-16th St.

San Jose.

Architect—None.

Day's work.

COST, \$3250

#### ARCHITECTS SELECTED FOR LARGE OFFICE BUILDING.

SAN FRANCISCO—At a meeting of the Building Committee of the Commercial Union Assurance and the California Fire Insurance Company held recently George W. Kelham and Kenneth MacDonald Jr., were selected as architects for their new office building to be erected on the property of the old Nevada Block at Pine and Montgomery streets.

It is not unlikely that a building 15 stories in height will be erected, covering the entire lot.

P. J. Walker Company, Menadnock Bldg., will have charge of construction, which will start as soon as plans are completed. It will cost approximately \$1,000,000.

Architect C. E. Gottschalk, Phelan Bldg., has awarded a contract to J. E. Scully, Flood Bldg., for the erection of a two-story and three-story Class "A" bank and office building to be erected for the First Federal Trust Company and the First National Bank on the west side of Montgomery street between Post and Sutter streets, adjoining the First National Bank Building. Foundations for the proposed structure have been designed to allow the addition of ten stories at a future time. The work will cost \$300,000 or more. Figures are now being taken for wrecking the present building.

Architects Louis M. Upton and M. Latham, 345 Montgomery street, has awarded a contract to The Oakland Paving Company of Oakland for grading the site for a two-story and basement frame and plaster residence to be erected for G. A. Mattern near the Hotel Claremont, Berkeley. The building will contain ten rooms and four baths and will cost about \$35,000. Figures for the balance of the work will be taken shortly.

Architect Benj. G. McDougall, Sheldon Bldg., is preparing working drawings for a seven or eight-story Class "A" apartment house to be erected for the Kittle Estate on Steiner street near Pacific avenue. The building will contain two apartments on each floor and will cost \$200,000 or more.

Architect Wm. A. Newsom, Bank of Italy Bldg., is preparing plans for extensive alterations to be made on the Stockton Branch of the Bank of Italy. The work will consist of altering adjoining stores into banking quarters.

Architects Ferris & Malsbary, Reno, Nevada, are preparing plans for a six-story and basement brick and terra cotta apartment house to be erected in Reno for the Apartment Investment Company. The building will be designed on the lines of Stanford Court Apartments in San Francisco

and will contain eighty-four two-room and seventeen three-room apartments. It will cover a ground area of 90 by 210 feet and will cost in the neighborhood of \$150,000.

Architects O'Brien Bros., 240 Montgomery street, will shortly take figures for extensive alterations and additions to be made on the St. George Hotel, in Santa Cruz. Re-arranging the present interior, installation of baths, refrigerating plant, oil burning system, etc., are among the improvements planned. The work will cost about \$20,000.

Engineers Leland & Haley, Holbrook Bldg., have been commissioned by the Vallejo Board of Education to prepare plans and specifications for heating plans in the school buildings at Vallejo.

From plans prepared by Architect Henry H. Meyers, Kohl Bldg., the Alameda County Supervisors have awarded a contract to F. W. Maurice of Oakland for repairs and alterations to the County Hospital building. The work will cost \$17,690.

#### FOLLOW ARCHITECTS...0... SUPERVISOR POWERS EXTENDS THANKS.

Charlie Powers, now Supervisor Powers, dropped into the "Builder" office Monday and expressed his thanks for the support given him through the "Builder" columns in the recent campaign.

Charlie wears a smile little less than two feet long and declares he is now ready to tackle the job of handling the affairs of the San Francisco public.

Powers makes known the fact that looking for votes is like seeking a contract to erect a modern ice plant in the Arctic Regions.

To his many friends in the building game he wishes to express his heartiest thanks for the assistance rendered him in his recent fight for the office of Supervisor.

Architect S. Helman, 57 Post St., has awarded a contract to Monson Bros., 1907 Bryant street, for a two-story and basement reinforced concrete Class "C" store building to be erected on the south side of Sutter street east of Mason for Wm. F. Dunn. The building will cover an area of 60 by 127 feet and will cost \$65,000.

Architect Helman is preparing plans for alterations to the store of the Cosgrave Cloak & Suit Company at 352 Post street. The work will consist of installing new fronts, altering for office quarters, etc., and is estimated to cost \$5,000.

Architect C. O. Clausen, Hearst Bldg., is preparing plans for a one-story brick auto repair shop to be erected for Miss Pergio on the south side of Post street east of Larkin. The building will be 25 by 125 feet in size and will cost \$10,000.

Architect C. S. McNally, 23 Woodland avenue, has awarded a contract to the Schultz Construction Co., 46 Kearny street, for alterations and additions for two flats on Spruce street south of Clay for H. Hamburger. The work

will cost in the neighborhood of \$10,000.

H. C. Keenan, 300 Webster street, will shortly commence the erection of a two-story and basement frame flat building for Marie J. Tracy on the east side of Masonic avenue south of Fulton street. The building will contain two modern flats and will cost \$11,315.

Architect Paul A. Needham, 2108 Shattuck Ave., Berkeley, is taking figures for a one-story reinforced concrete and steel tire factory to be erected in the vicinity of East Twelfth street and Forty-eighth avenue for the Coast Tire & Rubber Company. The structure will cover a ground area of 360 by 72 feet, and will cost about \$263,000. This will be the first unit of the proposed plant.

Designer and Manager of Construction George Wagner, 251 Kearny St., is completing plans for a group of buildings to be erected in Oakland for the Federal Wool Manufacturing Company of which Edwin P. Hulme is President. The plant will consist of six reinforced concrete buildings ranging from one to five stories in height and when completed will represent an expenditure of \$750,000. The contract for the reinforcing steel has been awarded to the Truscon Steel Company.

Architect S. Helman, 57 Post Street, is preparing plans for extensive alterations to be made on the brick building at the northwest corner of Arguello Boulevard and Geary street. The structure will be altered into a modern autosales building. The carpentry contract has been let to Theo. S. Hoin, 1739 Washington street. The work will cost between \$30,000 and \$40,000.

Architect Washington J. Miller, 417 Market street, is revising plans and will take new bids for the erection of the first unit of a jam and jelly plant to be erected in Oakland for A. W. Palfreyman representing H. Jones & Co., Ltd., of Australia. Three reinforced concrete buildings costing \$225,000 will represent the first unit. Administration Building, 50 by 100; Welfare Building, 50 by 250, and Plant Building, 250 by 450 feet.

Architect William Knowles Hearst Bldg., has awarded the following contracts in connection with the three-story reinforced concrete garage and warehouse building to be erected for the Pacific Gas & Electric Company at Fifth and Howard streets. The contract for concrete work has been awarded to The Clinton Construction Co., 140 Townsend Street, at approximately \$100,000 and the reinforcing steel to Edward L. Soule with offices in the Riato Building. The structure will cover a ground area of 150 by 155 feet.

Architect W. H. Ratcliff Jr., First National Bank Bldg., Berkeley, is taking figures for a two-story and basement frame residence and garage to be erected for Arthur G. Wood on Warring street near Parker in Berkeley. The building will contain seven rooms and a large sleeping porch and is estimated to cost \$10,000.

**THE IRISHMAN AND THE MULE.**

General Phil Sheridan was at one time asked at what little incident did he laugh the most.

"Well," he said, "I do not know, but I always laugh when I think of the Irishman and the army mule. I was riding down the line one day when I saw an Irishman mounted on a mule which was kicking its legs rather freely. The mule finally got its hoof caught in the stirrup, when in the excitement, the Irishman remarked: 'Well, begorra, if you're goin' to git on I'll git off.'"

**JUST AS HE THOUGHT.**

A small boy was reciting in a geography class. The teacher was trying to teach him the points of the compass. She explained: "On your right is the south, your left the north, and in front of you is the east. Now, what is behind you?"

The boy studied for a moment, then puckered up his face and bawled: "I knew it. I told Ma you'd see that patch in my pants."

**A SLIGHT TO HIS MOTHER.**

A little boy was asked by his mother to go to the grocer's for a package of Uneeda Biscuit.

The boy thought a moment. "Suppose I ask for crackers?" he suggested.

"No," said the mother; "tell the grocer 'Uneeda Biscuit.'"

The boy hesitated, finally went, and when he came home it was with a long face.

"Well, mamma," he said, "I did as you told me to, but it seemed like an insult to you."

"Why, dear," asked the mother, "what do you mean?"

"Well, I hated to tell them I needed a biscuit!"

**A GOOD MAJORITY.**

A well-known surgeon was imparting some clinical instructions to half a dozen students. Pausing at the bedside of a doubtful case he said: "Now,

gentlemen, do you think this is or is not a case for operation?"

One by one each student made his diagnosis, and all of them answered in the negative.

"Well, gentlemen, you are all wrong," said the wielder of the scalpel, "and I shall operate tomorrow."

"No, you won't" said the patient, as he rose in his bed; "six to one is a good majority; gimme my clothes."

**MISSED NOTHING BUT HIS WATCH**

An old darkey was taken ill, says the New York Times, and called in a physician of his own race. After a time, as there were no signs of improvement, he asked for a white doctor.

Soon after arriving, Doctor — felt the old man's pulse, and then examined his tongue.

"Did your other doctor take your temperature?" he asked.

"I don't know, boss," replied the sick negro. "I hain't missed anything but my watch as yit."

**EDISON IN THE PETRIFIED CAVE.**

Thomas A. Edison, with a party of friends, was going through one of the great Kentucky caves, and the guide was extremely anxious to explain everything to his distinguished guest.

When the party reached the "petrified room" the guide said. "That rock that you see there hanging in the air started to fall, but it never reached the ground and remained petrified suspended in the air."

"Yes, but——" began Mr. Edison.

"And you see that bird over there," continued the guide; "it flew in here one day and stopped right there in mid-air petrified."

"But, my friend," interrupted the great inventor, "the bird and the stone would have to fall to the ground by the very law of gravitation."

For a moment the guide was non-plused. Quickly rallying, however, he said to Mr. Edison:

"But you don't understand, Mr. Edison; in this cave the law of gravitation is petrified, too."

**HIS PRICE.**

A wealthy New York syndicate decided not long ago to try to purchase the New York Herald. So this cablegram was dispatched to James Gordon Bennett in Paris:

"What is your lowest selling price for Herald?"

Promptly came the answer: "Daily, three cents; Sunday, five cents. Bennett."

**HE WAS NERVOUS, ALL RIGHT.**

"A traveling man stopped at an Indiana hotel," says the Indianapolis News. "The proprietor told him he had not a room in the house. The man protested. He must have a room. Finally the proprietor told him there was a room, a little room separated by a thin partition from a nervous man, a man who had lived in the house for ten years.

"He is so nervous," said the landlord, 'I don't dare put any one in that room. The least noise might give him a nervous spell that would endanger his life.'

"Oh, give me a room," said the traveler. 'I'll be so quiet he'll not know I'm there.'

"The room was given to the traveler. He slipped in noiselessly and began to disrobe. He took off one article of clothing after another as quietly as a burglar. At last he came to his shoes. He unlaced a shoe and then, manlike, dropped it.

"The shoe fell to the floor with a great noise. The offending traveler, horrified at what he had done, waited to hear from the nervous man. Not a sound. He took off the second shoe and placed it noiselessly upon the floor; then in absolute silence finished undressing and crawled between the sheets.

"Half an hour went by. He had dropped into a doze when there came a tremendous knocking on the partition.

"The traveler sat up in bed trembling and dismayed. 'Wh-wha-what's the matter?' he asked.

"Then came the voice of the nervous man:

"'Hang you! Drop that other shoe, will you?'"

Telephone Douglas 5114

# Valley Tie & Lumber Co.

Manufacturers and Wholesalers

## Pacific Coast Lumber Products

General Office: Eugene, Oregon

S.F. Office: 401 Balboa Bldg.

F. S. NOLAND, Resident Manager

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

### JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

### Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock  
Doors, Sash Frames and Mouldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

### FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member

Insurance Brokers Exchange

### HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLICH  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
RED OAK-PLAN OAK  
QUARTERED OAK-  
WYBROCK BENDING OAK  
POPLAR-WALNUT



BOXWOOD-EBONY-IRONBARK  
JERSEY OAK-SHARSH OAK  
LIGNUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SPOTTED OAK-GROSS WAX  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
DOWELS-TREENAILS-VENEERS

### WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

### PIERCE-BOSQUIT Abstract & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

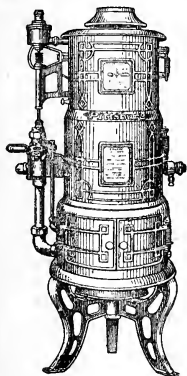
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., November 26, 1919

Published Every Wednesday  
Nineteenth Year, No. 48



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

California Trojan Powder Company

Pheian Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Mark

Fine and Sanitary PLUMBING

**Frank J. Klimm**  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

San Francisco

**MACHINE**

in

Action

cutting

drainage

ditch

without

embankment

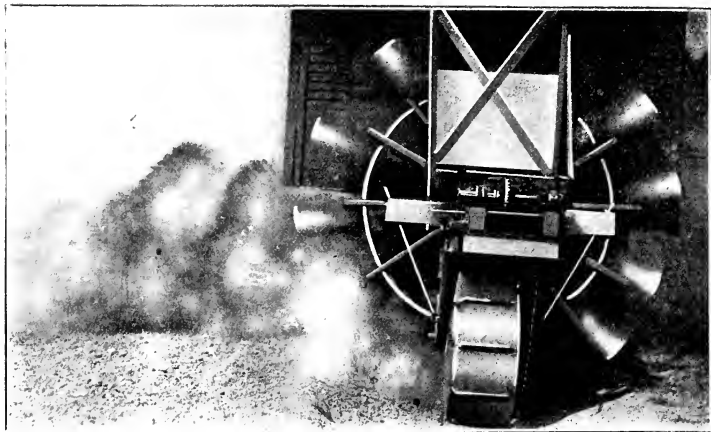
Leaving land free to be cultivated up to edge of drain ditch. Capacity of Machine will depend largely on character of soil, but under

ordinary circumstances it will handle

from 200 to 300

cubic yards

per hour



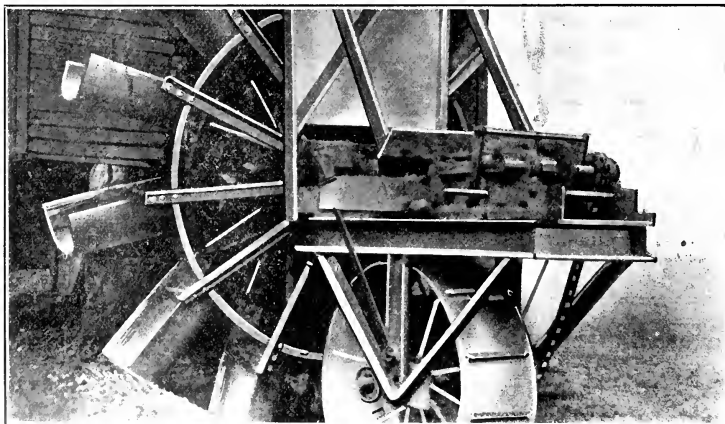
 HARTSOUGH ROTARY DITCHER

**For Full Particulars Address**

# **Volute Ditching Machine Co.**

**404 Wells Fargo Express Bldg.**

**SAN FRANCISCO, CAL.**



Machine uses Gas or Kerosene for fuel and requires about 2½ gallons per hour. Cost of Lubricating Oils is about half of the fuel cost. Two men can operate the Machine, one must be a gas engine man and the other a laborer, and Machine can be operated as well at night as in daylight.

devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LAHSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
560 Mission Street.  
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEAD-QUARTERS.

The Engineers' and Architects' Association of Southern California, a society of 300 engineers and architects which has been in existence for over fifty-five years, voted on October 15 to amalgamate with the American Association of Engineers. The organization will be a combination of the E. and A. Association and the Los Angeles Chapter of the American Association of Engineers, and will be known as the "Engineers' and Architects' Association—Los Angeles Chapter of the American Association of Engineers." The officers of the Engineers' and Architects' Association are: H. A. Osborne, president; J. J. Kus, first vice-president; H. L. Clark, second vice-president. The directors are: H. B. Benton, G. B. Bergstrom, A. H. Koebig, and George P. Binson. Mr. Robinson is also secretary of the organization.

Dr. F. H. Newell, president of the American Association of Engineers, delivered an address to the City Club of Kansas City at a noon-day luncheon on November 14th. In the evening of the same day he addressed the Engineers' Club of Kansas City at a dinner at the University Club.

The American Association of Engineers has recently organized chapters in the following cities: Phoenix, Arizona; San Angelo, Texas; Tulsa, Oklahoma; Joliet, Illinois; Butte, Montana; University of Minnesota; University of Arizona; University of Michigan; Davenport, Iowa; Rock Island, Illinois; Moline, Illinois; Morgantown, West Virginia; Pocatello, Idaho; El Reno, Oklahoma; Arkansas City, Arkansas; Akron, Ohio; Springfield, Illinois; New Orleans, Louisiana; and Newell, South Dakota.

The establishment of a club at the named city is of particular interest because of the fact that it is named after Dr. F. H. Newell, now president of the American Association of Engineers, while he was a director of the United States Reclamation Service, well is north and west of the Black Hills and at the point of one of the former operations of the Reclamation Service.

## TEN THOUSAND MEMBERS IN THIRTEEN DAYS.

The 1919 Membership Drive, which will be held by the American Association

of Engineers during the first two weeks in December, has as its slogan "10,000 members in thirteen days." All of the ninety clubs and chapters of the Association are making final arrangements for the drive. Never in the history of engineering organizations has anyone proposed an increase in membership within any short period of anywhere near 10,000.

The organization which is being perfected by the American Association to carry on the drive has the largest sales organization that has ever been used to sell an engineering commodity. There will be nine thousand salesmen, ninety branch sales offices and five district sales offices. If every salesman makes one sale that will be nine thousand, and if every branch office turns in one hundred sales that will be nine thousand more.

The referee in the drive is M. Isham Randolph, the eminent consulting engineer of Chicago who, in addition to constructing the Chicago Drainage Canal, has played a large part in the engineering development in the west.

## NATIONAL RIVERS AND HARBORS CONGRESS — FIFTEENTH CONVENTION.

### Official Call.

Members of the organization, duly appointed delegates, and all others interested, are hereby notified that the Fifteenth Convention of the National Rivers and Harbors Congress will be held on Tuesday, Wednesday and Thursday, the 9th, 10th and 11th of December, 1919, in the Assembly room of the New Willard Hotel, Washington, D. C.

Governors of states and territories, mayors of cities, towns and villages and presidents of commercial, industrial, agricultural and waterway organizations are hereby given authority to appoint and accredit delegates. They are earnestly requested to give the matter immediate attention and to supply the secretary, as soon as possible, with the names and addresses of the delegates appointed by them.

The theme of our Fourteenth Convention, in February last, was the whole, broad subject of transportation, by road, rail, water and air. This convention is called, not to discuss general principles, but to decide upon the specific provisions—and the exact language—to be included in the legislation needed to protect and develop our water transportation and to secure

co-operation between railways and waterways. We will have before us for consideration not only the work of the sub-committee of our Special Committee on Transportation Legislation, but the railroad bills prepared by the committees headed by Senator Cummins and Representative Eeach, respectively.

An extraordinary opportunity is now presented to take a long step forward in securing the results for which we have been working so earnestly and so long. The committees of Congress which have charge of the legislation for the control of railways are ready to include therein proper provisions for the benefit of waterways. It is up to us to decide what legislation we want and then use every legitimate effort to secure its enactment. Except at the banquet, there will be few formal addresses, practically the whole time being given to discussions of, and decisions regarding, the questions under consideration, which questions are of vital importance to every community and practically every citizen of the United States.

Attest:

JOS. E. RANSEDELL,  
President.  
S. A. THOMPSON,  
Secretary.

Following the convention held in February last, the National Rivers and Harbors Congress invited the commercial organizations of the country to join in forming a Special Committee on Transportation Legislation. The work of this committee, which, as finally made up, consisted of 110 members representing 33 states, was conducted mainly by correspondence. In September a sub-committee of seventeen members met in Washington and made the first draft of the proposed legislation in the interest of water transportation. The result of their work has been introduced into the Senate as an amendment to the Cummins Bill (S. 2906).

The first section of the amendment transfers to the Shipping Board all the rights in reference to canals now exercised by the Director General of Railroads under the Federal Control Act, but authorizes the relinquishment of control over the canals of New York upon request of the Governor. It also directs the Shipping Board to carry out all contracts made by the Railroad Administration for the building of boats and barges and to continue for five years the operation of

the Government transportation lines now established upon our inland waterways and "such additional lines as it may find desirable to establish."

The second section prevents railroads from reducing rates to meet water competition except by permission of the Interstate Commerce Commission, and when rates are so reduced, prohibits the maintenance of any higher rates to intermediate points.

Existing law gives the Commission authority to order connection made between the tracks of a rail carrier and the docks of a water carrier and to establish through routes and joint (or proportion) rates between and over such rail and water lines. Section 3 specifically directs the Commission to do these things and also authorizes the establishment of maximum, or minimum, or maximum and minimum joint (or proportional) rates.

Section 4 authorizes the Commission, upon application, to establish through routes and joint, or proportional, rates between connecting lines of water carriers. Section 5 provides that the absorption by a water carrier of the switching, terminal, or other charge of a rail carrier, shall not subject the water carrier to the provisions of the Interstate Commerce Act. Section 6 provides that the Commission shall have no jurisdiction over port-to-port rates by water, except in so far as may be necessary in effecting interchange of traffic.

Section 7 gives to the Department of Commerce a long list of duties "with the object of promoting, encouraging and developing water transportation facilities in connection with the commerce of the United States." Among these are the investigation of boats and terminals; co-operation with communities in the preparation of plans for terminals and in securing joint and proportional rates by water and rail; and compiling and publishing of statistics and information concerning water transportation.

The National Rivers and Harbors Congress (Washington, D. C.) will be glad to mail copies of the amendment on request and will welcome comments and suggestions from any one interested. The proposed legislation is to be put into final shape at the Fifteenth Annual Convention of the Congress, which will be held in Washington on December 9, 10, and 11.

66th Congress, 1st Session.

S. 2906.

#### IN THE SENATE OF THE UNITED STATES.

September 26, 1919.

Referred to the Committee on Interstate Commerce and ordered to be printed.

#### Amendment.

Intended to be proposed by Mr. Ransdell to the bill (S. 2906) further to regulate commerce among the states and with foreign nations and to amend an Act entitled "An Act to regulate commerce," approved February 4, 1887, as amended, viz: Strike out all of lines 18 to 25, inclusive, on page 2, in section 1, and lines 1 and 2 on page 3 of the pending bill, and insert in lieu thereof the following: The rights, powers, interests, and

property of the United States acquired by the President under section 6 of the Federal Control Act, approved March 21, 1918, and herein repealed, authorizing expenditures for the utilization and operation of canals, or for the purchase, construction, or utilization and operation of boats, barges, tugs, and other transportation facilities on the inland, canal, and coastwise waterways, which shall include the boats constructed or authorized to be constructed, for the navigation of the Mississippi River above St. Louis, are hereby transferred to and vested in the United States Shipping Board, and shall be dealt with in accordance with the rights and interests so acquired, and under the provisions of the Act known as the "Shipping Act of 1916." The said Shipping Board shall assume and carry out all contracts relating to inland waterway transportation entered into by the President through the United States Railroad Administration, or other agency, and the said board is further authorized and directed to continue the operation of the transportation lines upon the inland waterways of the United States heretofore or which may hereafter be established, and such additional transportation lines as it may find desirable to establish, and to utilize therefor all such boats and facilities as may be transferred to said board, or which it may hereafter acquire, for a minimum period of five years after the approval of this Act: **Provided**, The board at any time may relinquish the utilization, operation, or control of the canals of the State of New York upon the application of the governor of New York to that effect. The said Shipping Board is hereby authorized, in the execution of the powers herein conferred, to use any available moneys heretofore or hereafter appropriated for its operations; and all moneys heretofore allotted by the United States Railroad Administration, or other Government agency, for the construction and operation of any boat lines shall be transferred to the said Shipping Board. The said Shipping Board is further authorized to sell any boats unsuitable for the service herein authorized, and to construct or acquire any additional boats which it may deem necessary for the development and promotion of water transportation upon any of the inland waterways of the United States.

Where there is an existing line of water transportation, or one is proposed to be immediately established, it shall be unlawful for any railroad which operates between points competitive to said water line to reduce its existing rates with a view to meeting the difference between water rates and the rail rates, or of equalizing the same as between competitive points, unless after full hearing the Interstate Commerce Commission shall find that such reduction of rail rates is justified in the public interest. In determining the question of public interest the commission shall consider the rates charged by the water line as presumptively reasonable, and shall also consider the advisability or necessity of maintaining increased facilities of transportation: **And provided further**, That the commission shall not permit any railroad to reduce its ex-

isting rates as between points competitive with the water line or lines unless such railroad maintain such reduced rates as the maximum at all intermediate points on its lines between the points of origin and destination.

Paragraphs (a), (b), and (c) of section 6 of the Act to regulate commerce, approved August 24, 1912, are amended to read as follows:

"(c) The commission shall cause to be established physical connection between the lines of the rail carrier and the dock of the water carrier at which interchange of passengers or property is to be made by directing the rail carrier to make suitable connection between its line and the dock of the water carrier. Before making this order the commission shall secure satisfactory evidence as to the organization and responsibility of the water carrier. The commission shall have full authority to determine the terms and conditions upon which these connecting tracks, when constructed, shall be operated, and it may, either in the construction or the operation of such tracks, determine what sum shall be paid to or by either carrier. The provisions of this paragraph shall apply to cases where the dock or water terminal is owned by the municipality or other public agency or by any party other than the water carrier involved.

"(b) Upon application of any responsible water carrier the commission shall establish through routes and joint rates, or maximum or minimum or maximum and minimum joint rates between and over such rail and water lines, and determine all of the terms and conditions under which such lines shall be operated in the handling of the traffic embraced. In the establishment of joint rates the commission shall make such reductions from the local rates as may be consistent with through rates and be just to all the carriers involved.

"(c) Upon application of any responsible water carrier the commission shall establish proportional rates, or maximum or minimum, or maximum and minimum proportional rates over such rail and water lines to and from the ports to which traffic is brought or from which it is taken by either carrier. In establishing such proportional rates on any railroad the commission shall not fix a rate upon any railroad or railroads which shall be greater than the proportional rate received by such railroad upon any through traffic carried entirely by rail between the same points of origin and destination."

All through routes and joint proportional rates and the rules governing same, as established by the United States Railroad Administration between rail carriers and carriers on the inland waterways, shall hereafter be considered prima facie reasonable rates and routes, and may not be withdrawn or advanced, nor the differentials between such through rates and the competing all-rail rates be changed, without prior hearing and order by the Interstate Commerce Commission. In any such proceeding the burden of proof shall be upon the rail carrier or carriers to show that the existence of such rates and routes and differentials is confiscatory.

If one or more connecting lines of

Continued on page 23

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

Contract Awarded. Sub-Figures Being Taken.

APARTMENTS Cost, \$20,000  
MODESTO, Stanislaus Co., Cal. Sixth and "H" Streets.

Three-story and basement brick and reinforced concrete apartment house and stores (10 apts. 2 and 3 rooms and 2 stores).

Owner—Mr. Bishop.

Architect & Contractor—Wallace H. Hubbert, 919 "I" St., Modesto.

Contract Awarded.

Addition Cost, \$—  
SAN FRANCISCO. NW Ellis & Jones Streets.

One-story brick addition to five-story brick apartments.

Owner—Dr. L. C. Mendell, 415 Jones St., San Francisco.

Architect—Miss Grace Jewett, Room 814, 57 Post St., San Francisco.

Contractor—A. Knowles Call Bldg., San Francisco.

Plans to Be Prepared.

APARTMENTS, ETC. Cost, \$—  
BERKELEY, Alameda Co., Cal. Shattuck Avenue and Allston Way, adj. Hotel Shattuck.

Eight-story reinforced concrete hotel apartments, 50x75 and 6 one-story five-room bungalows, also extensive alterations to the hotel.

Owner—W. W. Whitecotton, Lankershim Hotel, Los Angeles.

R. O. Waldman is Manager of the Hotel Shattuck.

Architect—Not Selected.

An architect will be selected after the first of the year.

Plans Being Figured.

APARTMENTS Cost, \$16,000  
SAUSALITO, Marin Co., Cal. Water Street.

Frame bungalow court, 8 one-story 2-room and sun porch apartments built around a court.

Owner—Withheld.

Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Figures are being taken for a general contract.

### BANKS

PLACERVILLE, El Dorado Co., Cal.—The Mierson Banking Company has purchased the property on Main street formerly occupied by the Oasis Saloon and plan the erection of a modern bank building. It is expected to have construction started in the Spring.

Plans Being Figured.

ALTERATIONS Cost, \$—  
SAN FRANCISCO. S Market bet. 3rd and 4th Streets.

Alterations is extension to banking quarters (bronze, marble work, new elevator, etc.)

Owner—Humboldt Bank.

Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.

CHICO, Butte Co., Cal.—A. H. Smith, President of the First National Bank of Chico, announces that his bank has purchased the property at the corner of Third and Main streets and plans the erection of a modern bank building to cost \$100,000. The site covers an area of 44 by 71 feet.

Segregated Figures Being Taken.

BANK & OFFICES Cost, \$35,000  
LOS BANOS, Merced Co., Cal.

Two-story reinforced concrete bank and office building.

Owner—First National Bank of Los Banos.

Architect—Frank V. Mayo, Stockton.

Mr. Mayo will be in San Francisco and may be seen at the office of the Detroit Steel Products Co., 68 Post St.

### BONDS

MERCED, Merced Co., Cal.—Bids will be received by P. J. Thornton, County Clerk, up to December 8th, 10 A. M., for the purchase of bonds in the sum of \$20,000 with which to finance construction of a new school building for the West Side Union High School District.

YUMA, Ariz.—The \$1,200,000 highway bond issue for Yuma County carried at the special election. The county will also have \$150,000 available from federal aid funds for road construction. One of the important roads to be built will extend from Yuma to the Pima county line connecting with Pima county's proposed road from Tucson via Ajo to Yuma county.

JEROME, Ariz.—The \$175,000 road bonds of Santa Cruz County were sold to Powell, Gerrard & Co. of Chicago, at par.

SAN DIEGO, San Diego Co., Cal.—Bonds of \$2,300,000 to finance construction of 135 miles of county highways have been voted.

ANTIOCH, Contra Costa Co., Cal.—December 2nd is the date set by the City Trustees, J. E. McElheny, City Clerk, to decide the question of issuing bonds of \$18,000 with which to finance the construction of the F street sewer from Tenth street to an outfall in the San Joaquin river.

FRESNO, Fresno Co., Cal.—The County Supervisors have sold the \$150,000 bond issue of the Fowler Union High School District at a premium of \$3,238. Proceeds of the sale will finance construction of a high school building plans for which are being prepared by Architects Allison & Allison, Huberman Bldg., Los Angeles.

SAN ANSELMO, Marin Co., Cal.—The Town Trustees have adopted an ordinance prepared by the Town Attorney for an election to vote bonds of

\$100,000 for the construction of concrete work and surfacing on the County Road from Ross line to Fairfax and San Rafael lines, and on the Inside Road—San Anselmo Avenue—from Bolinas Avenue to Yolanda, Lansdale, and out to the County Road near the Fairfax line. Also for \$65,000 for the construction of nine bridges, being the Barber Tract bridge, Magnolia Avenue, Powerhouse, Redwood Avenue, Nokomis Avenue, two on Saunders Avenue, and the big bridge at Lansdale.

RENO, Nevada.—Ordinances have been passed by the City Council calling an election to vote bonds for street improvements under a program prepared by H. C. Chism, City Engineer.

The ordinance provides for the construction of concrete streets as follows:

North Center street, from Fourth to the university gates; West Third, from Sierra to the west city boundary; East Fourth, from the terminus of the present cement section to the state highway; Park, from Fourth to the Scott street bridge; Scott, from Park to Scott street bridge; East Second, from Peavine to the Scott street bridge; High, from Scott to Ryland; East Mill, from Virginia and Truckee tracks to Truckee street; Ryland, one block, between Wheeler and High; Wheeler avenue, from Ryland to Cheney; Stewart, from Wheeler avenue to South Virginia; South Virginia, from California avenue to connect with the state highway; Lander, from California to Taylor.

The asphalt street district will include Sierra, between First and Second; Lake, between First and Second; Front, between Lake and Center; East Second, between Lake and Peavine; Plaza, between North Center and Evans avenue; Lake, from Plaza to East Fourth.

Concrete curbs and gutters will be placed on all streets included within the concrete district.

The city engineer's estimate on the cost of concrete streets is \$116,296.35. Asphalt street construction will cost about \$30,000, exclusive of intersections. Cost of sidewalks and gutters is estimated at \$40,000, of which 23,126 will be spent on sidewalks.

VALLEJO, Solano Co., Cal.—Construction of several new schools is planned by the City Board of Education to relieve the present congested buildings. Funds to finance the structure will no doubt be secured under a bond issue.

OAKLAND, Cal.—Bids will be received by County Clerk George E. Gross up to December 8th, 10 A. M., for the purchase of \$370,000 school bonds with which to finance school improvements.

TURLOCK, Stanislaus Co., Cal.—Bonds of \$60,000 have been voted for extending and making improvements to the present sewer system.

**MODESTO, Stanislaus Co., Cal.**—The City Council has set December 9th as the date to vote on the question of issuing and selling bonds of \$410,000 with which to finance the following improvements:

Street intersections paving, \$100,000; storm sewers, \$75,000; sanitary sewers, \$35,000; filter beds, \$430,000; water extensions, \$49,000; street sprinkling and flushing equipment, \$16,000; aviation and fair grounds, \$50,000; new park, \$15,000; street lighting equipment, \$20,000; and city hall site, \$20,000.

**PARADISE, Butte Co., Cal.**—Bonds of \$140,000 were voted at a recent election to finance construction of improvements in the Paradise Irrigation District.

**TRACY, San Joaquin Co., Cal.**—The crowded conditions in the present schools must be remedied, according to John Anderson, County Superintendent of Schools.

A direct tax or bond issue to finance construction of additional school buildings is planned. H. R. McNoble and Thmoas Garner are members of the Tracy School Board.

**ELVERTA, Sacramento Co., Cal.**—November 29th is the date set to consider plans of architects for a modern three-room and auditorium fireproof school building, costing in the neighborhood of \$20,000. It is planned to erect the building under a bond issue. Concrete construction is favored.

## CHURCHES

Plans to be Prepared.

**CHURCH.** Cost, \$15,000  
**HEALDSBURG, Sonoma Co., Cal.** Cor. Fitch and Piper Streets.  
Church Building.  
Owner—Methodist Church of Healdsburg, Dr. J. W. Phelps, Pastor.  
Architect—Not Yet Selected.

## COURTHOUSES

Bids Opened.

**APARTMENTS** Cost, \$—  
**SAN FRANCISCO.** SE Stockton and Pine Streets.

Three-story and basement reinforced concrete apartments (15 2 and 3-room apts. and janitor's quarters).  
Owner—Withheld.  
Architect—Herman Barth, Phelan Bldg., San Francisco.

## GRADING.

Sibley Grading & Teaming Co. \$5,800  
Maurice Dillon 3,950  
H. N. McClure 5,800

## PLASTERING

James F. Smith \$7,275  
Geo. E. Whitmore 6,948  
W. Williams 7,500  
Alex. Mennie 7,500

## CARPENTER WORK.

H. A. Klyce \$17,925  
Ruegg Bros. 16,750  
P. J. Lynch 15,311  
Chas. Koenig 11,782  
Alfred H. Vogt 14,943  
Anderson & Ringrose 13,275  
Hayes-Oser Co. 15,000  
Isaac Penny 17,570  
Willis Gott 14,973  
Monson Bros. 17,760  
Ira W. Coburn 11,890

## CONCRETE WORK.

P. J. Lynch \$18,933  
H. L. Peterson 15,427  
Barrett & Hilp 16,814  
American Concrete Co. 14,700  
Anderson & Ringrose 19,269  
Mission Concrete Co. 13,879  
Jno. Spargo 14,284  
Alfred H. Vogt 16,583

**ROOFING AND SHEET METAL WORK**  
Guilfof Cornice Works \$2,696  
Forreder Cornice Works 3,352  
Morrison & Co. 2,389  
W. Heidt Cornice Works 3,146

## IRON WORK.

Ralston Iron Works, Inc. \$2,031  
C. J. Hillard Co., Inc. 1,909  
Golden Gate Iron Works 1,285  
Schrader Iron Works, Inc. 1,648  
Dyer Bros. 1,890

## PLUMBING AND GAS FITTING.

Herman Lawson \$6,500  
Scott Co. 6,844  
Geo. N. Zaro 5,690  
Gus May 6,199  
Alhbach & Mayer 6,475  
Frank J. Klumm 5,484

## HEATING.

Herman Lawson \$2,877  
Scott Co. 2,970  
Wm. F. Wilson Co. 3,352  
Atlas Heating & Ventilating Co. 2,836  
Frank J. Klumm 2,993

## ELECTRICAL WORK.

W. H. Kirsten \$1,776  
Central Electric Co. 2,165  
Hetty Bros. 2,185  
Decker Electrical Constr. Co. 2,162  
Butte Electrical Equipment Co. 2,086

## PAINTING.

C. B. Sovig \$2,445  
Henry F. Wagner 3,500  
H. Maundrell & Co. 2,630  
Cramer Bros. 4,660  
Henry Kern 2,465

## MARBLE WORK.

American Marble & Mosaic Co. \$300  
Joseph Musto Sons-Keenan Co. 265  
The Mission Marble Works 269

## TILING.

Ginsberg \$139.75  
Scott Co. 150.00

## FACTORIES & WAREHOUSES

Contract Awarded.

**CANNING PLANT** Cost, \$75,000  
**CAMPBELL, Santa Clara Co., Cal.**  
One and part 2 story canning plant, 120 by 180.

Owner—J. C. Ainsley.  
Architect—Not Given.  
Contractor—Z. O. Field, 167 S-14th St., San Jose.

Plans Nearing Completion.

**COLD STORAGE PLANT** Cost, \$125,000  
**PORTLAND, Ore.** SW Cor. East Seventh and Main Streets.

Three-story and basement reinforced concrete cold storage plant, 115x110.

Owner—Crystal Ice & Cold Storage Co., Portland, Oregon.

Architects—Camp & DuPuy, 426 East Alder St., Portland, Oregon.

Contract Awarded on Percentage Basis  
**FLOUR MILL** Cost, \$200,000  
**PORTLAND, Ore.** St. John Terminal.  
Seven-story reinforced concrete flour mill.

Owner—Eagle Flouring Mills, Portland, Ore.

Architect—John V. Rennes, Chamber of Commerce Bldg., Portland.  
Contractor—J. E. Case Portland.

Contract Awarded.

**BUILDINGS FOR COAL YARD**  
Cost, \$80,000 or \$90,000.  
**SAN FRANCISCO.** SE Fremont & Brannan Streets.  
Frame and concrete buildings for coal yard.

Owner—City Coal Company.  
Engineer—Howard C. Holmes, Market St., San Francisco.  
Contractor—Hannan Bros., 142 S. some St., San Francisco.

The laying of tracks, etc., has already been completed by days labor. The plumbing and electric wiring not included in the general contract and will be let separately.

Contract Awarded. Contractor to Tail Sub-Figures.

**MFG. PLANT.** Cost, \$255,000  
**OAKLAND, Cal.** 29th Avenue and 11th Street.

Three one-story reinforced concrete buildings. Administration, 50x10 Welfare Bldg., 50x25, and Plm Bldg., 250x450 for jam and jelly manufacturing plant (1st unit).

Owner—A. W. Palfreyman for H. Jon & Co., Ltd., Australia.

Architect—Washington J. Miller, Market St., San Francisco.  
Contractor—Geo. W. Anderson, 684 16th St., Oakland.

Plans Being Figured.

**FACTORY** Cost, \$—  
**SAN FRANCISCO.** S Harrison Street 200 E Fourth.

One-story Class "C" factory.  
Owner—Withheld.

Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Plans Being Figured.

**BOILER ROOM** Cost, \$—  
**EUREKA, Humboldt Co., Cal.** Nea Eureka.

Concrete and steel frame boiler room and fuel house building, 72x208.

Owner—Hammond Lumber Co.  
Engineer—H. J. Brunner, Sharon Bldg., San Francisco.

Plans Being Prepared.

**FACTORY BUILDINGS** Cost, \$—  
**STOCKTON, San Joaquin Co., Cal.** Cherokee Lane.

Reinforced concrete factory building.  
Owner—Kroyer Tractor Mfg. Co., Farmers' & Merchants' Bank Bldg., Stockton.

Architect—Frank V. Mayo, Farmers' & Merchants' Bank Bldg., Stockton.

Mr. Mayo has plans complete for one factory building, which will probably be revised and enlarged as incorporation papers have been filed for \$5,000,000, and expect to spend \$1,000,000 of the plant. The company will manufacture Kroyer Wizard 4 pull tractors.

## GARAGES

Plans Being Prepared.

**GARAGE, ETC.** Cost, \$30,000  
**RENO, Nevada.**

One-story concrete garage and storage building (to accommodate 110 trucks).

Owner—Nevada State Highway Commission, C. C. Cottrell, Chief Engineer.

Architect—State Highway Commission, Carson City, Nevada.

## Plans Being Prepared.

**GARAGE** Cost, \$35,000  
 FRESNO. Fresno Co. Cal.  
 One-story concrete garage, 125x140.  
 Owner—J. E. Azdevian, Fresno.  
 Lease—Anderson Motor Co., Ford Distributors.  
 Architects—Swartz & Ryland, Rowell Bldg., Fresno.

## Bids Opened and Under Advisement.

**GARAGE** Cost, \$—  
 NORTH BEND, Oregon.  
 One or two-story concrete garage, 50x100.  
 Owner—Robert Banks, North Bend, Oregon.  
 Architects—Ostlund & Magnusson, Marshfield, Oregon.  
 One-story—Hilbarger & Corey, \$12,500; M. W. Payne, \$12,248; P. M. Tulley, \$11,995.  
 Two-story—Hilbarger & Corey, \$19,500; M. W. Payne, \$16,888; P. M. Tulley, \$18,995.

## Plans Being Figured.

**ADDITION** Cost, \$3,000  
 SAN FRANCISCO. No. 1260 Masonic Avenue.  
 Addition of concrete garage to residence.  
 Owner—Withheld.  
 Architect—D. J. Patterson, 46 Kearny St., San Francisco.

## Sub-Figures to be Taken in a Few Days.

**SHOP BUILDING** Cost, \$10,000  
 SAN FRANCISCO. W Valencia Street 107 N 24th.  
 One-story Class "C" shop building, 62x90 (2 shops).  
 Owner—E. L. Prince.  
 Architect—Martin A. Sheldon, 110 Sutter St., San Francisco.  
 Work will be done by days labor and sub-contracts.

## Plans Prepared. Contract to be Awarded Shortly.

**GARAGE** Cost, \$20,000  
 HANFORD. Kings Co. Cal. Adjoining Patnott's Garage.  
 One-story brick and concrete garage and autosales rooms, 50x150.  
 Owner—Fred Stevenson, Hanford.  
 Leased to—Spear Bros., Hanford, Cal.

## Plans Being Prepared.

**GARAGE** Cost, \$15,000  
 SAN FRANCISCO. Fillmore Street near Haight Street.  
 One-story brick garage.  
 Owner—Withheld.  
 Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.

## GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—The following is a complete list of bids received by the Supervising Architect, Treasury Department, Washington, D. C., for labor and materials for constructing kitchen and mess hall, officers' quarters, attendants' quarters, refrigeration plant, remodeling nurses' quarters and approaches at the U. S. Marine Hospital, Presidio, San Francisco:

## LABOR

Alfred H. Vogt, San Francisco, Calif., \$48,793; alternate, \$11,960.  
 Thomas A. Cavanagh, San Francisco,

Calif., \$43,695; alternate, \$15,685.

Schultz Construction Co., San Francisco, Calif., \$38,220; alternate, \$11,777.

**REINFORCED RODS AND MESH**  
 Edward L. Soule Co., San Francisco, Calif., \$350.

W. S. Wettenhall Co., San Francisco, Calif., \$245.

Trus-Con Steel Co., Washington, D. C., \$309.

Concrete Steel Co., New York City, \$363.

Kyle & Co., San Francisco, Calif., \$256

## CERAMIC TILE.

Jackson's Works (Inc.), New York City, \$245.55.

## PLASTERING

J. S. Guerin & Co., San Francisco, Calif., \$1,100.

Pacific Portland Cement Co., San Francisco, Calif., \$1,087.

## ASPHALT MATERIALS.

Paraffin Co. (Inc.), San Francisco, Calif., \$337.41.

## CEMENT

Pacific Portland Cement Co., San Francisco, Calif., \$3,638.10.

J. S. Guerin & Co., San Francisco, Calif., \$3,601.30.

Old Mission Portland Cement Co., San Francisco, Calif., \$3,179.81.

Santa Cruz Portland Cement Co., San Francisco, Calif., \$3,214.56.

## SCREENS

Robbins Mfg. Co., Chicago, Ill., \$908.

Richard Spencer, San Francisco, Calif., \$1,520.

Yardley Screen Co., Columbus, Ohio, \$1,015.80.

E. T. Burrowes Co., Portland, Me., \$810.25.

## ROOFING SLATE

Vendor Slate Co., Washington, D. C., \$9,498.60; alternate, \$10,200.60.

Slatington Slate Co., Slatington, Pa., \$10,125.

## SHEET METAL

Forderer Cornice Works, San Francisco, Calif., \$452.

Percy Sheet Metal Works, San Francisco, Calif., \$511.

Guliflow Cornice Works, San Francisco, Calif., \$480.

## SANITARY SLATE

Structural Slate Co., \$295.

Slat'ngton Slate Co., Slatington, Pa., \$260.

## HARDWARE

Russell & Erwin Mfg. Co., New Britain, Conn., \$980.37.

Penn Hardware Co., Reading, Pa., \$731.50.

## PLUMBING FIXTURES

A. B. Punds & Sons Co., New York City, \$4,550.

Crane Co., San Francisco, Calif., \$2,720.

John Douglas Co., Washington, D. C., \$1,465.50.

## WIRING AND LIGHTING MATERIALS

Herman Andrae Electric Co., Milwaukee, Wis., \$1,090.79.

Butte Electrical Equipment Co., San Francisco, Calif., \$1,321.12.

Pacific State Electric Co., San Francisco, Calif., \$1,185.31.

Western Electric Co., New York City, \$1,106.20.

## PLUMBING AND HEATING

Crane Co., San Francisco, Calif., \$5,413.

Schultz Construction Co., San Francisco, Calif., \$11,650.

## LUMBER

Shultz Construction Co., San Francisco, Calif., \$22,275.

Hardwood Lumber Co., San Francisco, Calif., \$9,136.

Olson-Mahoney Lumber Co., San Francisco, Calif., \$9,025.

## MILLWORK

National Mill & Lumber Co., San Francisco, Calif., \$7,882.

The only bid received for constructing refrigerating plant was that of the York-California Construction Co., 832 Folsom St., San Francisco, Calif., at \$16,700.

BENICIA, Solano Co., Cal.—Only two bids were received by Commandant Col. O'Hern at the Benicia Arsenal for the construction of a one-story reinforced concrete hospital as follows:  
 Robert Trost, San Francisco, \$25,500  
 McLeran & Peterson, San Francisco, approximately, \$29,854.

The bids will be sent to Washington for the approval with the recommendation that the award be made to Trost.

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, has awarded a contract to Adams, Britz & Co., Inc., 1759 Park avenue, New York City, for power plant equipment improvements at Pearl Harbor, the work being \$84,321; time to complete work, 200 days. The work is provided for under Specification 321a.

SAN FRANCISCO.—Bids will be received by the Engineer Office, U. S. Army, Fair Bldg., 240 Montgomery St., San Francisco, up to December 4th, 10 A. M., under Order No. 2085 for furnishing and delivering f. o. b. Antioch, Contra Costa County, one "Gardner Spring Governor, F. E. Class "A," 2 1/2 in. diameter."

## To be Done by Day Labor.

**STATIONS** Cost, \$—  
 CALIFORNIA. Along Pacific Coast [About 10 radial compass stations].  
 Owner—United States Government.  
 Architect—Public Works Dept., Mare Island.

The Public Works Dept. are purchasing materials and supervising the construction.

U. S. ENGINEERS' OFFICE, Seattle, Wash.—Sealed proposals for dredging and rock excavation in Willapa River and Harbor, Wash., will be received at this office until 12 M., December 19, 1919, and then opened. Information on application.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, Bell Street Dock, Seattle, up to December 4th, 10 A. M., for supplies for the government railroad in Alaska as follows:

75 keg track spikes, 50 kegs bolts, 2000 pairs fish plates, 105 channels, 40 clamp connection bars, 200 tension rods, several hundred castings, 245 cast washers.

## HALLS AND SOCIETY BUILDINGS

LOS ANGELES, Cal.—Until 2 P. M., December 1, bids will be received by Supervisors of Los Angeles County for paving 2.4 miles of the harbor truck

Bldg. on Alameda St. between Burton St. and the south city limits of Compton, in Road District No. 4, involving 500 cu. yds. excavation, 12,802 lin. ft. shaping roadbed, 7603 cu. yds. 1:2:4 concrete paving, and construction of a reinforced concrete culvert 2x5 ft., estimated to cost about \$700. The paving will be 24 ft. wide and 8-in. thick, reinforced with disintegrated granite shoulders. The county will furnish 11,481 bbls. cement, 316,266 sq. ft. electric welded rectangular mesh reinforcing and 7,520 tons disintegrated granite. Average haul  $\frac{3}{4}$  mile. Estimated cost, complet., \$101,000. This is a cash job. Certified check for 10% required.

At the same meeting separate bids will be received for grading and paving 5.62 miles on the Saugus-Ventura road in Road District No. 5, involving 33,500 cu. yds. excavation, 29,270 lin. ft. shaping roadbed, 59,440 sq. yds. concrete paving 5 in. thick, and 15 ft. wide, 43 cu. yds. concrete for headwalk, 1800 lbs. reinforcing steel; 46 ft. 36-in., 179  $\frac{1}{2}$  ft. 24-in. and 132  $\frac{1}{2}$  ft. 15-in. corrugated metal pipe culvert and 1000 ft. standard guard fence. There will also be alterations and additions to two pile trestles, one to be raised 2 ft., and the other to be raised and moved, requiring driving of some new piles. The county will furnish cement, 12,470 bbls. Average haul about 2 miles. Estimated cost of work complete, \$120,000. These are cash jobs. Certified check for 10% required.

Site Being Considered.  
SOCIETY BUILDING Cost, \$—  
FRESNO, Fresno Co., Cal.  
Society Building.  
Owner—Assyrian National Ass'n. of Fresno County, Fresno, Cal.  
Architect—Not Yet Selected.

A committee of four has been appointed to purchase at once a site for the proposed building.

Preliminary Plans Prepared.  
CLUB HOUSE Cost, \$50,000  
WOODLAND, Yolo Co., Cal. 600-Acre Tract near Woodland.  
Club house.  
Owner—Yolo Fliers Country Club, O. W. H. Pratt, Promoter.  
Architect—W. H. Weeks, 75 Post St., San Francisco.

## HOSPITALS

Plans to be Prepared.  
HOSPITAL Cost, \$400,000  
SACRAMENTO, Cal. 40th and "J" Sts. Class "A" hospital building.  
Owner—Sisters Hospital, 23rd and "R" Sts., Sacramento.

Architect—Not Selected.  
NOTE:—A campaign for funds will be started in December. Dr. T. J. Cox an active member, stated that an architect would be selected in January.

## HOTELS

SEATTLE, Wash.—Unconfirmed reports are current in this city that the proposed \$5,000,000 hotel building to be erected by Linnard Hotel Syndicate or the Bowman interests of New York, will be built by the Foundation Company with offices in the Holbrook Bldg., San Francisco.

The proposed structure is to contain 700 rooms and will be of fireproof construction throughout.

Plans Being Complete. Contract Awarded.  
HOTEL Cost, \$—  
RENO, Nevada. Second Street East of Odd Fellows' Building.  
Six-story and basement reinforced concrete hotel, 100x150 (180 rooms, each with bath).  
Owner—Albert J. Franck, Reno, Nev.  
Architect and Contractor—George E. Holesworth, Reno, Nevada.

Plans Being Prepared.  
HOTEL & STORE Cost, \$—  
AVALON, Los Angeles Co., Cal.  
Four-story and basement Class "A" hotel and store building, 200x200.  
Owner—Boos Bros.  
Architect—Chas. F. Plummer, 1108 Story Bldg., Los Angeles.

SACRAMENTO, Cal.—The City Commissioners have granted a permit to John T. Stoll, Stoll Bldg., Sacramento, to repair the present structure at Fifth and K streets. The building will be altered into a modern lodging house on the upper stories and stores on the ground floor. The work will cost \$12,000.

## POWER PLANTS

REDDING, Shasta Co., Cal.—P. M. Downing, Chief Engineering of the Electrical Department of the Pacific Gas & Electric Co., has announced that construction on the proposed \$10,000,000 power project at Big Bend will be started about the first of the year.

EUREKA, Humboldt Co., Cal.—T. E. Ambrose of Stockton, associated with C. S. Hirschberger, has offered to dispose of the city garbage through a plant to be constructed by his firm at a cost of \$30,000.

## PUBLIC BUILDINGS

Plans Being Figured. Bids Close Dec. 16th, 1919, 1 P. M.  
COMPLETE BANDSTAND Cost, \$19,000.  
OAKLAND, Alameda Co., Cal. Lake-side Park.  
Completion of bandstand (steel, stone and carved wood). The foundation and base are already in.  
Owner—City of Oakland, Park Commissioners, City Hall, Oakland.  
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

## RESIDENCES

Plans Being Prepared.  
RESIDENCE Cost, \$8,000 and \$10,000  
OAKLAND, Alameda Co., Cal. Santa Rita Avenue.  
Two-story and basement frame residence and garage (7 rooms).  
Owner—Chas. W. McCall, Central Bk. Bldg., Oakland.  
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Contract Awarded.  
RESIDENCE Cost, \$8,000  
MODESTO, Stanislaus Co., Cal. Wright and Magnolia Streets.  
Two-story and basement frame residence and garage (7 rooms).  
Owner—Dr. E. F. Reamer.  
Architect & Contractor—Wallace H. Hubbert, 919 "E" St., Modesto.

Plans Being Prepared.  
BUNGALOW Cost, \$7,000  
HILLSBOROUGH, San Mateo Co., Cal. Lot 100x240.  
One-story frame bungalow and garage (5 rooms and sleeping porch).  
Owner—Withheld.  
Architect—Miss Grace Jewett, Room 814, 57 Post St., San Francisco.

Ready for Figures November 25th.  
RESIDENCE Cost, \$14,000  
OAKLAND, Alameda Co., Cal. Kingston Avenue.  
Two-story and basement residence and garage 9 rooms and sleeping porch.  
Owner—Withheld.  
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Plans Being Figured.  
ALTERATIONS Cost, \$—  
SAN FRANCISCO. No. 232 Maple St.  
Alterations to three-story frame and brick residence (excavate and construct basement for garage, also other improvements).  
Owner—L. M. Kaye.  
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Contract Awarded.  
BUNGALOWS Cost, \$—  
OAKLAND, Alameda Co., Cal. Havens Court.  
90 one-story frame bungalows (first unit of 20 have been started).  
Owner—Thompson Boxton Homes Co.  
Architect—A. H. Knoll, Hearst Bldg., San Francisco.  
Contractor—Geo. W. Boxton & Son, Hearst Bldg., San Francisco.  
J. M. Lettich, Monadnock Bldg., San Francisco, has the contract for plumbing work.

Plans Being Prepared.  
RESIDENCE Cost, \$15,000  
HILLSBOROUGH, San Mateo Co., Cal.  
Two-story and basement frame residence (12 rooms and 3 bathrooms) also separate garage.  
Owner—Withheld.  
Architect—D. J. Patterson, 46 Kearny St., San Francisco

November 19, 1919.  
Contract Awarded.  
RESIDENCE Cost, \$11,300  
BERKELEY, Alameda Co., Cal. Warring Street near Parker.  
Two-story and basement frame residence and garage (7 rooms and 2 bathrooms and sleeping porch).  
Owner—Arthur G. Wood.  
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.  
Contractor—Connor & Connor, 2105 Berkeley Way, Berkeley.

SAN JOSE, Cal.—The following bids were received November 17th by the Santa Clara County Supervisors for the construction of Nurses' Cottage and Isolation Building at the County Hospital. Plans were prepared by Architect Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.  
Al. Compton, 547 North 17th St., San Jose, was awarded the contract.  
Al. Compton ..... \$16,689  
E. Monmouth ..... 18,878  
Morrison Bros. .... 16,974  
D. J. Jorgensen ..... 17,333



## Revised Plans Being Figured.

RESIDENCE Cost, \$10,000  
 BERKLEY, Alameda Co., Cal. Ashby Avenue near Claremont.  
 Two-story frame residence (8 rooms, 2 bathrooms and separate garage.)  
 Owner—Mrs. Wm. Endress, 1118 Oxford St., Berkeley.  
 Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

## Contractors Taking Segregated Figures.

BUNGALOWS, ETC. Cost, \$4,750 each  
 BURLINGAME, San Mateo Co., Cal. Easton Addition.  
 Twelve one-story frame and plaster bungalows and garages (5 and 6 rooms each).  
 Owner—California Bldg. & Loan Co.  
 Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.  
 Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

## Contract Awarded.

RESIDENCE Cost, \$—  
 LOS ANGELES, Fremont Place and Ninth Street.  
 Two-story frame and plaster residence (14 rooms, 4 bathrooms, double garage).  
 Owner—E. C. Wilson.  
 Architect—Milwaukee Bldg. Co., 317 Wright & Callender Bldg., Los Angeles.

## SCHOOLS

Commissioned to Prepare Plans.  
 SCHOOL Cost, \$85,000  
 STRATHMORE, Tulare Co., Cal.  
 Group of brick high school buildings.  
 Owner—Strathmore High School District.  
 Architect—E. J. Kump, Rowell Bldg., Fresno.

The buildings will have asbestos stucco exterior, clay tile roofs, steam heat, oil burner system.

## Plans Being Prepared.

SCHOOL Cost, \$100,000  
 DINUBA, Tulare Co., Cal.  
 Group of Hollow tile and stucco high school buildings.  
 Owner—Dinuba High School District  
 Architect—E. J. Kump, Rowell Bldg., Fresno.

## Plans Being Figured. Bids Close Dec. 15th, 7 P. M.

SCHOOL Cost, \$—  
 CLOVIS, Fresno Co., Cal.  
 Two-story concrete high school.  
 Owner—Clovis High School District.  
 Trustees of the District are: J. H. Cadwallader, L. D. Reyburn, J. A. Riggs.  
 Architect—W. H. Weeks, 75 Post St., San Francisco.

Bids will be received separately as follows:

1. Excavating and grading and concrete work.
2. Brick and Terra Cotta.
3. Carpenter Work.
4. Plumbing Work.
5. Sheet Metal Work.
6. T. & G. Roofing.
7. Terra Cotta Tile Roofing.
8. Plastering Work.
9. Electric Wiring.
10. Painting.
11. Finishing Hardware.
12. Black Boards.
13. Window Shades and Cork Carpet.

## 11. Composition Flooring.

## 15. Program Clock System.

## 16. Iron and Steel.

Certified check for 10% payable to John H. Cadwallader, President of the Board of Trustees of the Clovis High School District, must accompany each bid.

## Plans Being Prepared. Bids to be Called About January 1st, 1920.

GYMNASIUM Cost, \$35,000  
 OREGON CITY, Oregon.  
 One-story and basement brick school gymnasium, 44x100.  
 Owner—Oregon City School District.  
 Architects—Whitehouse & Poulhous.  
 Railway Exchange Bldg., Portland.

## Contracts Awarded.

SCHOOL Cost, \$—  
 BURBANK, Los Angeles Co., Cal.  
 One-story brick school building.  
 Owner—Burbank School District.  
 Architect—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

The following contracts have been awarded: Carpenter and concrete work to P. A. and B. F. Farley of Burbank, at \$51,730; masonry work, \$17,900 to Henry Reimers, 1217 1/2 Winfield St., Los Angeles; plastering at \$8,375 to R. Liebhold, 716 W. 45th St., Los Angeles; painting and tinting to D. Zelinsky & Sons, Alexandria Hotel, Los Angeles; electric wiring at \$2,570.17 to the American Electric Construction Company; plumbing and gas piping to J. Hokum, 4315 Moneta Ave., Los Angeles, at \$6,709; tile roofing at \$4,853 to C. L. Passmore; composition roofing at \$126 to the Johns-Manville Co.; sheet metal work at \$1247 to National Corncove Works; blackboards at \$1458 to T. N. Pierce; finish hardware to the California Hardware Co. The bids on the steam and gas heating systems were rejected. New bids will be taken for gas heating only.

## Commissioned to Prepare Plans.

SCHOOLS, ETC. Cost, \$440,000  
 LONG BEACH, Los Angeles Co., Cal.  
 Fireproof high school auditorium to cost \$150,000 and new grammar schools and additions to cost \$290,000.

Owner—City of Long Beach.  
 Architects—John C. Austin and W. Horace Austin, Associated.

NOTE.—Bonds have been voted.

## Bonds Voted. Bids to be Called Shortly

SCHOOL Cost, \$37,000  
 WINTERIS, Yolo Co., Cal.  
 One-story brick grammar school.  
 Owner—Winters Grammar School District.

Architect—W. H. Weeks, 75 Post St., San Francisco.

Building will have exterior finish of cement plaster with red brick base and terra cotta tile roof and coping effect.

LINDSAY SCHOOL DISTRICT, Fresno Co., Cal.—Bids will be received by Architects and Engineers Swartz & Ryland, Rowell Bldg., Fresno, up to 3 P. M. December 3rd, for the construction of an addition to the present building, the building of a tank tower and the installation of an electric automatic pumping plant.

Certified check of 10% payable to H. C. Mathieson, Clerk of the Lindsay School District, must accompany each bid.

## Working Drawings Being Prepared.

SCHOOL Cost, \$60,000  
 CORCORAN, Kings Co., Cal.  
 One-story school (Mission Design). 6 rooms and auditorium.  
 Owner—Corcoran School District.  
 Architect—M. P. Renfro, Porterville, Cal.

SEATTLE, Wash.—The immediate preparation of plans for two school buildings has been ordered by the City Board of Education. A high school building for the University District, Brooklyn avenue, Fifteenth avenue, 66th and 68th streets, will cost \$500,000 and a junior high school at Twenty-fourth avenue between Jefferson and Alvar streets, the estimate cost of which is \$300,000.

Plans will no doubt be prepared by F. A. Naramore, City School Architect.

San Jose, Santa Clara Co., Cal.—The City Board of Education discussed with a building committee including Victor Challen, L. T. Smith, and John D. Kuster, with all the San Jose architects, including Binder & Curtis, Frank Wolff, W. C. Phillips Howard Higbie of the firm of Higbie & Hill, Herman Krause, Louis Lenzen and Warren Skillings, the improvement of the present schools in San Jose. The matter of erecting a \$600,000 polytechnic high school was discussed.

Another meeting will be held in the near future when definite plans will be outlined.

BERKELEY, Alameda Co., Cal.—Improvements in the heating system and the installation of a hair drying apparatus in the Edison and Eurbank Schools have been recommended to the City Board of Education by Architect W. H. Ratcliff Jr., First National Bank

## Plans Prepared. Awaiting Approval.

SCHOOL Cost, \$—  
 FRESNO, Fresno Co., Cal.  
 Fireproof high school building.  
 Owner—City of Fresno, Jerome O. Cross, Supt. of Schools.  
 Architects—Coates & Travers, Rowell Bldg., Fresno.

SALINAS, Monterey Co., Cal.—Architect Ralph Wyckoff, 328 1/2 Main Street, Salinas, has awarded contracts as follows in connection with the alterations on the West Side School Building in Salinas:

Pacific Mfg. Co., Salinas, for mill work, at \$1,000.

Hayward Lumber Co., Salinas, for lumber at \$995.

The bids were taken for furnishing materials only.

## STORES AND OFFICES

Plans Being Figured.  
 DEPT. STORE Cost, \$—  
 BAKERSFIELD, Kern Co., Cal.  
 Six-story Class "E" department store building.  
 Owner—E. W. Hopkins.  
 Architects—Bliss & Faville, Balboa Bldg., San Francisco.  
 Figures are being taken for a general contract.

## Plans Being Prepared. Contract Awarded.

ALTERATIONS Cost, \$6,000

MODOSTO, Stanislaus Co., Cal. 10th and "J" Streets.  
Alter drygoods store (interior decorating and finishing).  
Owner—Jos. Prester.  
Architect & Contractor—Wallace H. Hubbert, 919 "I" St., Modesto.

Contract Awarded.  
ALTERATIONS Cost, \$2500  
SAN FRANCISCO. Bush and Franklin Streets.  
Alterations to market (marble work, etc.).  
Owner—Withheld.  
Architect—August Headman, New Call Bldg., San Francisco.  
Contractor—C. T. Merchant, 180 Jessie Street.

Contract Awarded.  
STORE BUILDING Cost, \$—  
TURLOCK, Stanislaus Co., Co. Main and First Streets.  
One-story (5) stores; three 16x36 and two 12x24 feet.  
Owner—E. J. Cadwallader and E. P. Mains, Turlock, Cal.  
Architect—Not Given.  
Contractor—John F. Knapp, Turlock.

Plans Being Prepared.  
STORE BUILDING Cost, \$—  
BURLINGAME, San Mateo Co., Cal. Burlingame Ave. near Park Road.  
One-story reinforced concrete store building.  
Owner—Wisnom & Co., "A" St. and 2nd Ave., San Mateo.  
Lesee—Morgensen & Son, 312 Occidental Ave., Burlingame.  
Designer & Contractor—Sam Wisnom, "A" St. and 2nd Ave., San Mateo.

Owners Taking Figures.  
ALTERATIONS Cost, \$4,000  
SAN FRANCISCO. Mission Street near 24th Street.  
Alterations to store (new fronts, etc.).  
Owner—China Toggerly.  
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

FRESNO, Fresno Co., Cal.—Avadis Hagopian and Carl Sarkisian of this city have purchased the property at 1527 "I" St., and plan the erection of a \$25,000 autosales building.

CHICO, Butte Co., Cal.—C. W. Randall of Chico has been granted a building permit by the City Council to erect a \$30,000 brick and concrete auto sales room building at Seventh and Broadway streets.

FRESNO, Fresno Co., Cal.—Two sites are being considered by the Anchor Stage Company for the new building planned to cost \$40,000. The proposed building will be approximately 100 by 150 feet in size and will be of reinforced concrete or brick construction, and will contain ticket offices, storage rooms, etc.

Contract Awarded.  
STORE BUILDING Cost, \$30,000  
PORTLAND, Ore. Couch St. bet. 10th and 11th Streets.  
One-story brick store building, 100x200  
Owner—Rodney L. Gilsen.  
Architects—Houghtaling & Dugan, Henry Bldg., Portland.  
Contractor—Oscar Wayman, Builders' Exchange, Portland.  
Williams & Finnegan secured the

contract for the heating and plumbing while the roofing contract was given to C. J. Kelly.

Plans have been designed to enable the owner to add an additional story.

Plans Being Figured.  
OFFICES, ETC. Cost, \$—  
LONG BEACH, Cal.  
Four-story Class "C" brick office and store building, 50x150.  
Owner—PICKERELL & Scott.  
Architect—Fred R. Dorn, 1232 Marsh-Strong Bldg., Los Angeles.

## THEATRES

Preliminary Plans Prepared.  
THEATRE, ETC. Cost, \$1,000,000  
LOS ANGELES, Cal. Broadway bet. 5th and 6th Streets.

Class "A" theatre and office building, 120x330.  
Owner—A. C. Blumenthal & Co., Holbrook Bldg., San Francisco.  
Architects—Reid Bros., 104 Montgomery St., San Francisco.

Plans Being Completed. Mill Work  
Contract Awarded.  
ALTERATIONS Cost, \$31,000  
FRESNO, Fresno Co., Cal. Van Ness Avenue.

General alterations and changes for theatre. Changes on front; exhaust fans, glass, mahogany, interior finish, etc.

Owner—Liberty Theatre, George F. Sharp, Mgr., Fresno.  
Architects—Coates & Traver, Fresno.  
Contract for mill work has been awarded to a local planing mill.

Plans Being Completed.  
ALTERATIONS Cost, \$—  
ASTORIA, Ore.  
Remodeling theatre building (seating capacity 1100).  
Owner—Astoria Amusement Co., Mr. Danz, Manager.  
Architects—Rasmussen-Grace Co., Inc., Bates Dock Bldg., Portland, Ore.

Contracts to be Awarded Shortly.  
THEATRE Cost, \$70,000  
SAN FRANCISCO. No. 3350 Mission Street near 29th.  
One-story Class "A" motion picture theatre.

Owner—S. Mariani, 2881 23rd St., San Francisco.  
Architects—Reid Bros., 105 Montgomery St., San Francisco.  
Contracts will be signed in a few days.

G. B. Pasqualetti submitted the lowest bid for concrete, excavation and carpentry work.

Plans Being Figured. Contract  
Awarded on a Percentage Basis.  
THEATRE. Cost, \$—  
LOS ANGELES. Hollywood Blvd. near Wilton Place.  
Two-story class "C" brick moving picture theatre, 60x160.  
Owner—J. Young.  
Architect and Contractor—C. S. Albright, 5910 Hollywood Blvd., Los Angeles.

Architect to be Selected Shortly.  
THEATRE Cost, \$—  
SAN FRANCISCO. Taylor and Market Streets.  
Class "A" theatre.

Owner—Ackerman & Harris and A. C. Blumenthal & Co., 58 Sutter St., San Francisco.

Architect—Not Selected.  
Reid Bros. have prepared preliminary plans, but whether they will be selected as the architects has not been decided.

Plans to be Prepared.  
ADDITIONS Cost, \$—  
SAN JOSE. Santa Clara Co., Cal. Market Street.  
Extensions and additions for fireproof theatre building, 110x193. Seating capacity 2300.  
Owner—Liberty Amusement Co., Liberty Theatre, Jas. Beatty, Manager, 32 S-13th St., San Jose.  
Architect—Not Given.

Contract Awarded.  
EXTENSION TO THEATRE  
Cost, \$4,100.  
HANFORD, Kings Co., Cal. West Seventh Street.  
Brick extension to theatre, 33x50.  
Owner—Universal Theatre, Hanford.  
Architect—Not Given.  
Contractor—J. F. Brown, Madera.

## ENGINEERING

### BRIDGES, DAMS & HARBOR WORK

RED BLUFF, Tehama Co., Cal.—The County Supervisors, H. G. Kuhn, County Clerk, have awarded a contract to the Hart Construction Co. for the construction of a bridge on Woodson avenue at \$6,500.

SANTA ROSA, Sonoma Co., Cal.—Following bids were received by the County Supervisors, Lloyd Aldrich, County Highway Engineer, for the construction of a concrete bridge over Piner Creek on the Santa Rosa-Grafton road:

C. H. Gildersleeve .....	\$6,200
W. L. Proctor .....	6,343
Call Construction Co. ....	6,446
D. E. Albers .....	6,450

SAN FRANCISCO—The Board of Public Works has awarded a contract to the Healy Tibbitts Construction Co., 9 Main street, for fender piling at the Third Street bridge and has requested the Supervisors to appropriate \$8,700 to cover the cost of the contract.

RED BLUFF, Tehama Co., Cal.—Bids will be received by the County Supervisors, H. G. Kuhn, County Clerk, up to December 8th, 10 A. M., for the construction of a reinforced concrete bridge on the Foster Road, in Supervisor District No. 5.

RED BLUFF, Tehama Co., Cal.—The County Supervisors, H. G. Kuhn, County Clerk, is contemplating the construction of a bridge over the south Fork of Cottonwood Creek near the McKerras Place in Supervisor District No. 1.

WENATCHEE, Wash.—Bids will be received up to December 8th, by the Chelan County Commissioners, A. V. Shephard, County Auditor, for the construction of a 500-foot concrete bridge over the Wenatchee river, near Cash-

here. The structure will consist of five 100-foot spans, involving 1825 cubic yards of concrete, 2000 cubic yds. fill and 80,600 lbs. of reinforcing steel.

**STOCKTON, San Joaquin Co., Cal.**—Two bids were received by the City Council for the construction of a levee around the north disposal plant west of Tuxedo Park have been taken under advisement.

Cy Moring, Commercial & Savings Bank Bldg., Sacramento, submitted the low bid at 75 cents per cubic yard or \$3,101.25 and M. Blumenkranz at \$1.45 per cubic yard or \$5,595.75.

**REDWOOD CITY, San Mateo Co., Cal.**—C. J. Lindgren, Burlingame, has been awarded a contract by the City Trustees for the construction of the concrete bridge on Washington street near the Public Library, his bid being \$10,040.50. Two other bids were submitted as follows:

Edward H. Martin.....\$10,485.50  
C. B. Cowden.....10,795.50

**SAN JOSE, Santa Clara Co., Cal.**—The County Supervisors have awarded a contract to Herschbach & Sciarro, 560 Park St., San Jose, at \$13,634 for the construction of a reinforced concrete bridge on the Pierce arrow road over Calabasas Creek in Supervisor District No. 5. Henry A. Pfister is County Clerk.

**REDWOOD CITY, San Mateo Co., Cal.**—The Town Engineer is preparing plans for several small bridges to be constructed in the Roosevelt avenue district and one across the branch of Redwood Creek on Lathrop street near the Beeger tannery.

**SANTA MONICA, Los Angeles Co., Cal.**—The commission of engineers appointed recently to examine and report on the condition of the reinforced concrete municipal pier report that of 150 piles in the pier only 20 are sound and that in its present condition it is unsafe. A bond issue of \$75,000 to \$100,000 will be necessary to restore the structure which was erected ten years ago at a cost of \$100,000.

**RED BLUFF, Tehama Co., Cal.**—The County Supervisors, H. G. Kuhn, County Clerk, has awarded a contract to the Ross Construction Co., at \$15,980 for the construction of the concrete bridge at the South Fork of the Cottonwood Creek.

The Board also awarded a contract to C. E. McCartney at \$4,980 for the bridge over Dry Creek, near the Alford Place.

**PORTLAND, Ore.**—Bids will be received by the Oregon State Highway Commission up to December 20th for the construction of the bridge across Young's Bay near Astoria, the estimated cost of which is \$285,000. The project includes two double leaf trunnion bascule bridges with approaches, etc.

**REDONDO BEACH, Los Angeles Co., Cal.**—All bids received November 17 for repairing the reinforced concrete municipal pier were rejected by the City Trustees, being in excess of the amount available from the bond issue

of \$25,000. Two bids were submitted, both on a cost plus fee basis. Wm. Ledbetter of Los Angeles, made the best proposal, at an estimated cost of \$28,978 plus 10%. The Foundation Co. submitted a proposal at an estimated cost of \$42,000 plus a fixed fee of \$8000. No decision was made regarding re-advertising the work. Leeds & Barnard, Central Bldg., Los Angeles, are the engineers.

**RED BLUFF, Tehama Co., Cal.**—Bids will be received by H. G. Kuhn, County Clerk, up to December 9th, 10 A. M. for the construction of a Low Truss steel bridge across Battle Creek on the Mantion road in Supervisor District No. 3.

**STOCKTON, San Joaquin Co., Cal.**—The City Council has accepted the offer of Sherman Jubb, Engineer, to prepare a report on Stockton's deep water project, he agreeing to furnish same for \$1,500.

**SAN JOSE, Santa Clara Co., Cal.**—The City Council is contemplating calling a bond election in the Spring to secure funds to finance the construction of bridges inside the city limits. Of 21 bridges within the city limits, but three are of modern construction. W. C. Bailey is City Manager.

**STOCKTON, San Joaquin Co., Cal.**—Following bids were received by the County Supervisors for the construction of a bridge over Bear Creek near Harmony Grove:

Wm. B. Whale.....\$2,766  
Cary Bros. ....3,294  
R. C. Tumulty.....3,487

The bids were taken under advisement.

## IRRIGATION PROJECTS

**EL CENTRO, Imperia Co., Cal.**—Final estimates on the cost of the proposed all-American canal by the Imperial Irrigation District from the engineering commission composed of Dr. Elwood Mead, W. W. Schlecht and C. E. Grunsky, place the revised cost of the canal at \$31,333,545. The preliminary estimate was \$25,822,068. The increase, however, is only about \$3,600,000 for one item of \$1,900,000 added to the second report was not placed in the first. The report goes more deeply into the larger problems of the Colorado river and contains a large number of blue prints of the proposed all-American canal which were not available for the preliminary report. The preliminary report was made in December, 1918, and the increase in cost is due to the changing conditions.

**MEDCED, Merced Co., Cal.**—The Plainsburg Irrigation District was formed at a recent election and the following directors elected:

1st division, Paul Neuman.  
2nd division, J. L. Gillette.  
3rd division, E. L. Morley.  
4th division, T. R. McSwain.  
5th division, E. D. Kahl.

The district includes approximately 5,000 acres and the total cost of the system which it is proposed to install, will be about \$222,000. The source of the water will be in a series of wells which are to be drilled.

## LIGHTING SYSTEMS

**SANTA ROSA, Sonoma Co., Cal.**—Final action on the proposed installation of electroliters in Fifth street, between Mendocino avenue and A street, a distance of two blocks, will be taken by the City Council the latter part of December. Estimates presented to the Council outlines a system costing \$2,400; the electroliters to be placed 100 feet apart.

## MACHINERY

**SAN JOSE, Santa Clara Co., Cal.**—The County Supervisors, Henry A. Pfister, County Clerk, have accepted the bid of the Pierce-Arrow Pacific Sales Co., Inc., at \$6,907.50 for furnishing and delivering an auto truck to the county.

## SEWERS, STREET WORK & WATER SYSTEMS

**SEATTLE, Wash.**—The Board of Public Works is contemplating the construction of the Alki sewer system by day labor rather than by contract and will recommend this procedure to the street committee of the city council. The district to be served by what is officially known as the 63rd Avenue S. W. sewer system which will drain all of the lower levels of the Alki Point District is estimated by City Engineer Dimock to cost \$164,000.

**LOS ANGELES, Los Angeles Co., Cal.**—M. S. Cummings, 1302 West Twenty-second St., was awarded the contract at \$19,946.41 for grading and oiling and other work in Mayberry St. between Mohawk and McCollum Sts., involving 63,144.1 sq. ft. rough grading at 9.5c ft.; 63,144.1 sq. ft. finishing grade, oiling and rolling at 6c sq. ft.; 4913.71 lin. ft. cement curb at 56c ft.; 21,447.9 sq. ft.

# Pacific PIPE

## SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

**PACIFIC PIPE CO.,**

231 Howard St.

San Francisco

ft. cement sidewalk at 18c ft.; storm drain at McCollum St. to cost \$180; post and chain railing to cost \$500, and storm drain at Crittenden St. to cost \$220. Other bids received by the Board of Public Works were: E. Schelling, \$20,329.17; S. McCray, \$20,359.16.

**BAKERSFIELD, Kern Co., Cal.**—The City Engineer has been instructed to prepare plans and specifications for improving O St. between Nineteenth and Twenty-four Sts., by grading and oiling and constructing cement curb and gutters.

**VALLEJO, Solano Co., Cal.**—T. D. Kilkenny, City Engineer, reports that the Council is contemplating calling an election within the next few weeks to vote bonds of \$250,000 with which to finance the improvement of streets.

**LOS ANGELES, Cal.**—Until 2 P. M., November 24, bids will be received by the Supervisors of Los Angeles County for grading and paving 2.057 miles of road from Pomona Blvd. south to Orange Grove Ave. in North Whittier Heights in Road Improvement District No. 146, involving 17,375 cu. yds. earth excavation, 23,905 sq. yds. 5-in. concrete paving, 10,864 lin. ft. shaping roadbed, 12,560 lin. ft. cement curb 6x10x19 in., 760 cu. yds. Class A concrete for drain ditch and spillway, 412 ft. corrugated metal pipe culvert, 920 lin. ft. standard guard fence and 12,262 lbs. reinforcing steel; average haul 1.3 miles from Hartville on Salt Lake Railway, and 3 miles from Puente. Estimated cost to contractor, \$45,750. The county will furnish 8100 bbls. cement. Total estimated cost \$70,270. Plans and specifications may be obtained at office of Board of Supervisors. Certified check for 10% required. A. M. McPherron, Clerk.

#### ROAD CONTRACT AWARDED.

**SANTA BARBARA, Cal.**—A. L. Pendola of Santa Barbara, has a contract to grade about 2 miles of road leading from behind the Sheffield reservoir across Mountain drive to Rattlesnake canyon road from the Cielito County; H. L. Hitchcock, president. Work will be started November 17. The road will be paved as soon as the earth has settled. The company expects to spend about \$25,000 within a year preparing to open up the Cielito residence tract. Owen H. O'Neill, County Surveyor, is the engineer in charge.

**VISALIA, Tulare Co., Cal.**—County Engineer Moye has been instructed by the Supervisors of Tulare County to prepare plans and specifications for all unfinished sections of the county highway outlined under the 1917 bond issue; also an estimate of the amount of cement needed in order to arrange for another shipment under the contract with the Riverside Portland Cement Co. The sections unfinished are: Woodville-Poplar, 5 miles; Klink-Woodville, 4 miles; Yettem-Mud Springs, 9 miles; Dinuba-South, 6 miles; Naranja-Lemon Cove, 4 miles; Sultana-South, 4 miles; Oroshi-Orange Cove, 8 miles.

**VALLEJO, Solano Co., Cal.**—Bids are being received by the City Council, T. D. Kilkenny, City Engineer, for the improvement of Packard Alley. Plans may be had from the City Clerk at Vallejo.

**REDWOOD CITY, San Mateo Co., Cal.**—The County Supervisors, Elizabeth M. Nash, County Clerk, have rejected the only bid received for the construction of a reinforced concrete retaining wall on the Pescadero to San Gregoria road near the Town of Pescadero and have ordered the work done under the supervision of the County Engineer, Charles Harlowe Jr., of San Francisco, submitted the only bid for the work.

**MADERA, Madera Co., Cal.**—Bids will be received by the County Supervisors, W. R. Curtin, County Clerk, up to December 1st, 2 P. M., for furnishing and delivering the following galvanized water pipe:

3150 feet, 1½" galvanized water pipe.  
2550 feet, 1" galvanized water pipe.

The above pipe to be delivered at Daulton Station, on the Raymond Branch of the Southern Pacific Railroad. And the bid therefore to be f. o. b. Daulton Station, Madera County. A certified check in the sum of 10 per cent of the amount of the bid to accompany each bid.

**MODESTO, Stanislaus Co., Cal.**—A. B. Fletcher, State Highway Engineer, has notified the Stanislaus County Board of Trade that plans are now being prepared for the widening of the pavement in Stanislaus County between Bold Eagle and Oakdale, a distance of about 5 miles. Concrete shoulders 2½ feet wide on the side of the present 12-foot pavement will be provided.

**PASO ROBLES, San Luis Obispo Co., Cal.**—According to City Manager Ryan the city has decided to pave with 5-in. base and 1½-in. top Twelfth street between Ninth and Nineteenth, Thirtieth street between Spring and Railroad, and Pine street to depot, all full width; and Spring street between First and Ninth, and Nineteenth street to north city limits, 20 ft. wide.

**SACRAMENTO, Cal.**—The County Supervisors have awarded a contract to Bartholomew & Keema for the construction of the Sheldon-Sloughhouse road, they being low bidders at \$12,250 or 87½ cents a square yard for paving; 3 cents for overhaul and for building culverts and bridges at cost plus 10%.

**EUREKA, Humboldt Co., Cal.**—The County Supervisors have rejected bids received for the construction of the fourth section of the Lord-Ellis road, 3.9 miles in length and new bids have been ordered received. Section four has as its terminus Green Point and connects with the Bald Mountain road. Bids were received as follows:  
Frank H. Green.....\$19,500  
J. N. Lentell.....17,990  
Fremont Greenlaw submitted a bid of \$5,700 for 1.09 miles of the road.

**SANTA ROSA, Sonoma Co., Cal.**—No bids were received by the County Supervisors, Lloyd Aldrich, County Highway Engineer, for the construction of

a stretch of county highway between Sonoma and Schellville and it is probable that the work will be ordered done by days labor under the supervision of the County Highway Engineer, as has been ordered no two other stretches.

**SAN JOSE, Cal.**—The Santa Clara County Supervisors have awarded contracts for the construction of corrugated iron culverts on Villa Vista avenue; also for pipe drains in Canoas channel along the Monterey road south of San Jose, all in Supervisor District No. 2.

Culverts to Wm. Martin at \$1955.  
Drain to Jas. Casley, San Jose \$8,354.

**SAN BRUNO, San Mateo Co., Cal.**—City Engineer Kneass at the last meeting of the City Trustees reported that he is completing plans and specifications for the new water system planned by the city.

**SACRAMENTO, Cal.**—On recommendation of Chas. Gilman Hyde, Chief Engineer for the Sacramento filtration project, the following engineers have been appointed by the City Commissioners to assist in working out the project:

Resident engineer, C. C. Gillespie; assistant hydraulic and filtration engineer, H. B. Foster; assistant structural engineer, George J. Calder; assistant mechanical and electrical engineer, E. F. Raber.

The filtration plant will cost \$1,800,000. M. J. Desmond is City Clerk of Sacramento.

**SEATTLE, Wash.**—The expenditure of \$16,000,000 is planned by the City of Seattle in the adoption of an Ordinance providing for the development of the vast industrial area south of the railroad depots.

Five plans have been submitted by City Engineer Dimock. The first plan submitted is favored and is as follows:

Provides that all of the running tracks of the railways and the railway yards as well shall be raised to such elevation whereby subways can be constructed beneath draining by gravity into sewers. In this plan it is not contemplated that service tracks nor tracks on East Marginal Way and Railroad Avenue shall be raised. The estimated cost of work planned is figured as follows: Retaining walls, \$4,000,000, filling \$2,500,000 subways, viaducts and approaches \$5,500,000. Total \$16,000,000.

**LOS ANGELES, Los Angeles Co., Cal.**—Geo. H. Oswald, O. T. Johnson Bldg., submitted the lowest bid at approximately \$91,225 for grading and paving Washington street between Arlington avenue and west city boundary. There will be 6532 lin. ft. of paving with 5-in. concrete base, 1-in. asphalt binder and 2-in. asphalt wearing surface, involving 316,316 sq. ft. paving, 57 lin. ft. cement curb, 383 sq. ft. cement sidewalk, 9464 sq. ft. concrete gutter, 4280 sq. ft. granite block gutter, 1855.58 ft. 8-in. 323 ft. 6-in. cement pipe sewers and 680 ft. 6-in. house connection sewers.

Other bidders were: Bryant & Austin, Geo. R. Curtis and Fairchild-Gilmore-Wilton Co.

**MERCED, Merced Co., Cal.**—The City Trustees, J. D. Wood, City Clerk, has

awarded a contract to A. Teichert & Son, Ochsner Bldg., Sacramento, for the improvement of the alley in Block 86, by grading; constructing concrete curbs and paving with a four-inch hydraulic cement concrete base.

**SANTA MONICA.** Los Angeles Co., Cal.—J. D. Kneen Contracting Co. of Santa Monica, submitted the lowest bid at approximately \$180,000 for improving Palisades Ave. and Adelaide Drive and portions of Montana, Alta, Marguerita and Georgina Aves., involving 987,872 sq. ft. bitulithic paving, 3006 ft. 36-in. and 42-in. storm drain and 77 reinforced concrete lighting standards with conduits and appurtenances. Los Angeles Paving Co. bid about \$184,000; Fairchild-Elmore-Wilton Co., \$196,000, and W. F. Ducey, \$209,000. The bids were taken under advisement.

#### ORDERED BY DAY LABOR.

**SANTA ROSA.** Sonoma Co., Cal.—Bids received by the County Supervisors, Lloyd Aldrich, County Highway Engineer, for construction of section of the highway system have been rejected and the work ordered done by day labor. The bids follow:

#### Sections A and B, Petaluma-Valley Ford Section.

R. C. Storrie & Co., Section A, concrete pavement, \$198,000; Section B, concrete pavement, \$144,000.

Geo. W. Connors, Section B, concrete pavement, \$184,000; Section B, water bound macadam, \$139,000.

For the Petaluma-Sonoma road, Section A, Storrie Co. bid \$112,000 and A. J. Fairbanks, \$118,000. Bids were received from Bates & Borland, A. J. Fairbanks and George W. Connors on the Healdsburg to Napa unit.

**SAN DIEGO.** Cal.—Fairchild-Elmore-Wilton Co., Pacific Electric Bldg., Los Angeles, submitted the lowest bid at \$50,067 for improving Granada Ave. between Upas St. and University Ave.

**SANTA ANA.** Orange Co., Cal.—Wells & Bressler of Santa Ana, were awarded the contract at \$29,338.98 for grading 3.6 miles of County Park road and the contract at \$10,009.87 for paving E. Fourth St. and Tustin Ave. in Fifth road district. J. L. McBride, County Surveyor.

**ANAHEIM.** Orange Co., Cal.—The State Board of Health has approved plans for a joint outfall sewer for Anaheim and Fullerton to carry sewage from these cities to the ocean. City Engineers O. E. Steward of Anaheim, and George Wells of Fullerton, prepared the plans. The next step will be to secure rights of way after which a bond election will be called.

**LOS ANGELES.** Cal.—The Board of Public Service, Wm. Mulholland, Chief Engineer, will start work at once on the Stone canyon reservoir as a part of the \$700,000 water system for Westgate District. A construction camp has been erected in the canyon. The work will be done by force account. An earth dam with hydraulic fill, involving about 500,000 cu. yds., will be constructed.

**NAPA.** Napa Co., Cal.—Up to December 10th, 10 A. M., bids will be received by James A. Daly, County Clerk, for furnishing sand for concrete purposes to the county.

Bids are desired both upon the sand f. o. b. Southern Pacific sidings and also in stock piles at the following stations:

Napa or Union Station, 2800 tons.  
Trubody, 3400 tons.  
Yountville, 2700 tons.  
Oakville, 2500 tons.  
Rutherford, 2000 tons.  
Zinfandel, 2400 tons.  
Barro, 2300 tons.  
Bale, 3400 tons.  
Callistoga, 1500 tons.

Certified check for 10% payable to Clerk of the Board of Supervisors must accompany each bid.

**BAKERSFIELD.** Kern Co., Cal.—Until 5 p. m., December 1, bids will be received by City Clerk V. Van Riper for grading and paving N street between Truxton avenue and Twentieth street, and Twentieth street between M and N streets, with 3-inch asphaltic concrete base and 1½-inch Warrenite top; cement curb and gutters and concrete and corrugated iron pipe culverts. Work will be done under the Improvement Bond Act of 1915.

**STOCKTON.** San Joaquin Co., Cal.—City Commissioner Floyd Kenyon has filed with the City Council a list of projects coming within the scope of his department which must be undertaken within the next few years. The improvements total approximately \$1,729,667, and includes:

Storm sewers for the Searchlight subdivision; Fair Oaks, Yosemite subdivision; Yosemite Terrace and West Weber avenue, estimated cost, \$65,811. Sanitary sewers for Linden road and the construction of the south sewage disposal work, estimated cost, \$89,560.

Subways and crossings, under and above tracks, subways at Fremont St., Miner and Hazelton Aves., North and South Sts., estimated cost, \$500,200. Overhead crossings at South St., Miner and Weber Aves., North and Oak Sts. Estimated cost, \$430,782.

Bridges of concrete construction for several streets crossing Mormon channel, located at San Joaquin, East Washington, El Dorado and Stanislaus streets, including the repair of bridge at Pilgrim street. Estimated cost, \$256,000.

Fills and culverts in Miner Channel at El Dorado, Pilgrim, Stanislaus, and San Joaquin are needed, according to the estimate. A levee along the McDougald canal, west of the woolen mills, a bridge over the canal at Church street and a sewer at that point are essential. McLeod's lake comes in for its share as provision is made for the fixing of the bulkheads. All this is to cost \$28,216.

**FRESNO.** Fresno Co., Cal.—The City Trustees, Chas. Dillon, City Clerk, have passed a resolution of intention providing for the construction of artificial stone sidewalks in west side of College avenue from the north line of Hedges avenue to the south line of Floradora avenue.

The City Engineer is preparing plans for the construction of side-

walks in Fresno avenue, a distance of six blocks, from the north line of Divisadero street to the south line of Belmont.

**OAKLAND.** Cal.—The City Council, City Clerk, L. W. Cummings, has passed resolution providing for the construction of a vitrified pipe sewer in 26th avenue between East Ninth and East Tenth streets, same to have an internal diameter of 8 inches, installation of vitrified pipe lampholes and "Y" branches.

**VALLEJO.** Solano Co., Cal.—Bids will be received by City Clerk Alf. E. Edgumbe up to 11 A. M., December 3, for the purchase of street bonds to finance the improvement of Capitol street from Sonoma to Sutter street by grading, paving, curbing and constructing sidewalks, stairs, drainage and lighting.

The work is provided for under Resolution of Intention No. 52, Series A.

**EUREKA.** Humboldt Co., Cal.—The City Council has rejected the bid of Padgett & Kelly, Eureka, for grading "A" street between Hawthorne and Long streets at \$6,888.06. Elsemore & Jacobs submitted a bid of \$7,316.88. The Clerk was instructed to re-advertise for bids.

**EUREKA.** Humboldt Co., Cal.—The City Council has awarded a contract to Elsemore & Jacobs, Eureka, for grading Del Norte street between "C" and "D" streets, the bid being \$3,724.13. Padgett & Kelly submitted a bid of \$4,040.31.

**SANTA CRUZ.** Santa Cruz Co., Cal.—Up to December 1st, 11 A. M., bids will be received by County Clerk H. H. Miller for furnishing and delivering 3870 barrels of Portland Cement, f. o. b. cars at any point between Santa Cruz and Aptos, delivery to be as required, in not less than car load lots; for 2100 tons, more or less, sand free from organic matter, laps or equivalent, delivery as above and for 4300 tons, more or less, clean, hard, tough, durable, granite or basalt rock, uniformly graded of a size to pass through a 2-inch screen and shall range from two inches down delivery as above.

Certified check of 10% must accompany each bid.

**SEATTLE.** Wash.—Mayor C. B. Fitzgerald has directed Thomas F. Murphine, Superintendent of Public Utilities, to submit a report on the transportation situation.

Murphine advocates the construction of a huge terminal building with subway outlets reaching the down town water front and south end districts. A steel elevated would run from the present elevated at Railroad avenue and Washington street north along Railroad avenue to connect with a tube just south of the Army building which would connect with the terminal station. The cost will run \$10,000,000, of which \$4,000,000 would be spent on terminals.

**OAKLAND.** Cal.—Up to December 4th, 12 M., bids will be received by City Clerk L. W. Cummings for the con-

struction of cement concrete sidewalks 6 feet wide on the east side of 26th St., (where not already) from the northwest line of Harrison to the southeast line, produced, of that portion of Valdez street that lies between 26th and 28th streets.

## FIRE EQUIPMENT

LIVERMORE, Alameda Co., Cal.—The City Trustees have awarded a contract to the Seagrave Co., 461 Market street, San Francisco, for furnishing and delivering to the City one six-cylinder, 120-horse power motor fire engine with a pumping capacity of 600 gallons per minute, the bid being \$10,750.

SACRAMENTO, Cal.—The following bids were received by the City Commissioners, M. J. Desmond, City Clerk, for furnishing 1,000 feet of fire hose:

C. C. C. Fire Hose Co., \$1,200 less 2 per cent for cash in ten days; American-La France Co., \$900 f. o. b. San Francisco, American Rubber Manufacturing Co., \$1,200; Pioneer Rubber Mills, \$1,000; Republic Rubber Mills of California, \$1,150.

The bids were taken under advisement.

## REMODELING OLD HOUSES PROFITABLE.

By Carl Warnecke, of Miller & Warnecke, Architects, in the Oakland Tribune.

The immediate demand for moderate priced and yet modern apartments in the Eastbay district, particularly near the industrial centers, has developed a new line of building operations that has proved successful and profitable—the remodeling of well constructed buildings of old type and transforming them into up-to-date apartments. There are quite a number of such buildings scattered through the older parts of this section, and it has proved profitable work for the owners to remodel these buildings to meet the demands of the day.

The owners of buildings of this type have viewed with apprehension their constantly decreasing revenue with increasing depreciation, a condition recognized as due to the fact that tenants today do not merely seek, but demand, modern housing.

Steady increase in manufacturing and the general business growth of the city is resulting in like increase of the worker and co-worker. There is an ever growing demand for two and three-room apartments by those who demand modern housing. Ordinarily it requires a considerable investment to erect an apartment house, and to the man prepared to invest only a few thousand dollars this is a seeming impossibility. A recent careful survey of a number of old residences and flats led us to believe that with a very nominal expenditure such buildings, non-producing, could readily be converted into income producing property, netting a most satisfactory return.

As an instance of the actual result to be obtained is cited a building of obsolete type now producing good revenues. It originally embodied but one home normally renting for \$35 per

month. The condition of the building was such as to make it legitimate prey for the house wrecker. Remodeling involved a cost of only \$6500, yet the owner today has a modern apartment building of six suites, each comprising two or three rooms, each suite exceptionally well lighted and ventilated. The owner receives a rental of \$200 per month or \$2400 per annum. His gross return on the investment is 36 per cent. It is of interest to note that but ninety working days were required to effect the transformation.

## INFLUENZA'S TOLL.

NEW YORK.—That the influenza epidemic last fall and winter carried off 15,000,000 persons, or 1 per cent of the world's population, and that in this country the mortality was highest among wage workers, are conclusions reached in a paper presented by Drs. Frankel and Dublin, of the Metropolitan Life Insurance Company, before the vital statistics section of the American Public Health Association at New Orleans. The victims for the most part were persons in young adult life, the fathers and mothers of the present generation.

## LUMBER MOVEMENT STARTS TO BELGIUM.

First Full Cargo for Building Homes Leaves Puget Sound; Much to Follow.

With the first full cargo of Puget Sound lumber consigned to Belgium for construction of homes in the war-devastated regions the auxiliary powered four-mast schooner Margaret of the Anglo-American Shipping Agency of New York will sail from Seattle within the next two weeks.

The lumber cargo of the Margaret also bears the distinction of being the first to be sent to Belgium since the beginning of the European war. It portends an important movement of Pacific Coast lumber to Europe, say shipping men, where hundreds of millions of feet of lumber will be needed in rehabilitating the devastated districts of France and Belgium.

## HOW ABOUT THE BASEMENT?

STOCKTON, Nov. 18.—Only the cement foundation remained this morning where Sunday night stood the nearly completed home being constructed by Edward Cassant of Stockton, at the corner of Taylor and Lincoln streets. Thieves drove up to the place during the night with a large truck, carefully took the building apart and carried it away. They apparently made several trips and were not molested during their operations.

## SCHOOLS AND ROADS.

\$12,000 a year for the next twelve years is Plumas County's share of a timber deal just closed between the Clover Valley Lumber Company of Reno, Nevada, and the United States Forest Service at San Francisco.

In order to log the timber it will be necessary, according to Forest Service officials here, to construct approximately 45 miles of logging railroad. Utilization of a portion of the old Boca and Loyalton Railroad, it is said, a possibility.

## SOUTHERN CALIFORNIA EDISON COMPANY ASKS NEW BOND ISSUE

To secure funds to carry out development projects made necessary by the hydro-electric situation in Southern California, the Southern California Edison Company has applied to the Railroad Commission for authority to issue bonds to the amount of \$7,500,000. Of this amount \$1,842,000 is to be used to reimburse the company for expenditures already made, and for the improvement and maintenance of its service. It is proposed to sell the bonds at not less than 93 and interest. They are to be listed as general and refunding mortgage 6 per cent, 25 year gold bonds of the series of 1919. In a supplemental petition filed by the Edison Company the commission is asked to amend a previous order so as to permit an exchange of debentures at par for bonds at 97, the amount involve totaling \$1,977,000.

234,000,000 feet of timber on some 17,000 acres in the Clover Valley unit of the Plumas National Forest is involved. The contract, which covers a twelve-year period, calls for a total payment (based on actual scale of the timber as it is cut) of \$576,175. In accordance with Congressional requirements, 25 per cent, or approximately \$144,000, will be paid to Plumas County in lieu of taxes. This money may be used for school and road purposes. The Company is now operating at Loyalton, Cal., which, according to present plans, will be retained as the mill site when the new timber is logged.

## Department of Agriculture Provides \$8,384,354 for Rural Post Highways

To provide California with an unexcelled system of rural post roads \$8,384,354.57 in Federal appropriations have been obtained through claims presented by Senator James D. Phelan to the Department of Agriculture.

In addition \$40,000,000 was made available recently by the State for road construction, according to a report submitted to Senator Phelan by Secretary D. F. Houston.

These funds are under the supervision of the State Highway Commission which is formulating plans to rush road construction where most needed through the State.

Further construction is progressing on the highways in and around the national forests of California. Fourteen investigations have been made of such thoroughfares since July 1, 1918, involving 364 miles of new roads.

## LOW BIDDER FOR SCHOOL.

PASADENA, Los Angeles Co., Cal.—Daniels & Faris of Pasadena, submitted the lowest bid at \$106,000 on the general contract for the erection of a new two-story brick school building at the William McKinley School site at Pasadena. The bids amount to considerably more than the funds available and will probably be rejected. Additional funds will be provided for the school in the general bond issue for \$2,000,000 which is contemplated by the Board of Education. John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, is the architect.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Am't.
2505	Penziner	Larsen	4000
2506	Carlsen	Cohen	700
2507	Suma	Carlsen	500
2508	Fraser	Owner	400
2509	Provident	Over Sea Club	900
2510	Urban	Duncan	2400
2511	Union	Scott	3400
2512	Corbett	Hayes	1000
2513	Pastor	Phillips	500
2514	Lunardini	Montani	800
2515	Sprio	Peterson	700
2516	Ruif	Pontanella	8200
2517	Kornbou	Owner	800
2518	Tsagalakis	Pontanella	4600
2519	Cal Canneries	Klyce	15000
2520	Sutkamp	Wilson	1500
2521	Johnson	Johnson	1000
2522	Goldberg	Spargo	1000
2523	Kirby	Kirby	3000
2524	Lurie	Barrett	3500
2525	Klopschek	Malloch	4000
2526	Lavaga	Hansbrough	12500
2527	Duane	Duane	18000
2528	Paffo	Kincannon	10000
2529	Forreder	Forreder	900
2530	Bingham	Sanborn	900
2531	Buckingham	Coburn	2168
2532	Wickborn	Peterson	1500
2534	Vitt	Persson	1000
2535	Marron	Merritt	1500
2536	Pisani	Merritt	722
2537	Herzog	Merritt	450
2538	Vincent	Merritt	400
2539	Hogan	Hogan	2200
2540	Covick	Merritt	500
2541	Mendel	Knowles	1500
2542	Hobart	Stockholm	10000
2543	Mariani	Owner	7000
2544	City Coal	Hannah	10000
2545	City Coal	Hannah	30000
2546	Hall	Hall	3000
2547	Weissbein	Meyer	7950
2548	Lozgia	Barrett	3000
2549	Kayle	Barrett	900
2550	Schmidt	Sibley	7380
2551	St. Francis Hspl	Owner	40000
2552	St. J. Dalry	Salanave	4850
2553	Pac. G. & E.	Clinton	14120
2554	Cal. Academy	Uhl	6000
2555	Monita	Anderson	35000
2556	Dunn	Monson	65000
2557	Kingwell	Kingwell	13800
2558	Fraser	Meyer	3975
2559	Hauschildt	Owner	10000
2560	Gibson	Gibson	500
2561	Davenport	Hamerton	3500
2562	Prince	Prince	10000
2563	Lincoln	Woolworth	15000
2564	Figoni	Owner	6000
2565	Nelson	Nelson	3000
2566	Nelson	Nelson	3000
2567	Nelson	Nelson	3000
2568	Nelson	Nelson	3000
2569	Real Ppty	Tracy	7900
2570	Parkside Rity	Swanson	11116
2571	Francis	Elvin	5626
2572	Art Tailoring	Schultz	2373

#### (CORRECTION)

##### DWELLINGS AND GARAGES

(2504) S NIAGARA AVE 389.55 W Mission W 136X8 80. All work for four one-story frame dwellings and garages.

Owner—Jas. J. Donnelly, Mt. Vernon & Mission, San Francisco.

Architect—A. W. Smith, 1010 Broadway Oakland.

Contractor—Henry Ahnefeld, 522 Anderson, San Francisco.

Filed Nov. 15, '19. Dated Oct. 23, '19.

Frame up .....\$800 each

1st coat plaster on ..... 800 each

Completed ..... 800 each

Usual 35 days ..... 800 each

TOTAL COST, \$12,890

Bond, \$6400. Surety, Globe Indemnity Co. Limit 90 days. Forfeit, plans and specifications, none.

#### DWELLINGS

(2505) W THIRTY-THIRD AVE 250 and 275 N Balboa. Two two-story and basement frame dwellings.

Owner—A. Penziner 745 Baker, S. F.

Architect—None.

Contractor—S. Larsen. 79 Cortland Ave., San Francisco.

COST, \$2000 each

#### ALTERATIONS

(2506) S CHENERY 50 E Hamilton. Alter for private garage.

Owner—P. Carlsen, 26 Montgomery, San Francisco.

Architect—None.

Contractor—Robt. Cohen, 1210½ Divisadero, San Francisco.

COST, \$700

#### ADDITION

(2507) NO. 725 CALIFORNIA. Add to dwelling.

Owner—Henry Suma, 881 Chenery, San Francisco.

Architect—None.

Contractor—P. Carlsen, 881 Chenery, San Francisco.

COST, \$500

#### ALTERATIONS

(2508) NO. 3748½ ARMY. Alter for private garage.

Owner—E. G. Fraser, Premises.

Architect—None.

Day's work. COST, \$400

#### ALTERATIONS

(2509) NO. 420 SUTTER. Interior alterations for club rooms.

Owner—Provident Securities Co., 525 Crocker Bldg., San Francisco.

Architect—None.

Contractor—Over Sea Club, First National Bank Bldg., San Francisco.

COST, \$900

#### DWELLING

(2510) SE OCEAN AND VICTORIA. Two-story and basement frame dwelling and garage.

Owner—Urban Realty & Improvement Co., Phelan Bldg., San Francisco.

Architect—C. E. Gotschalk, Phelan Bldg., San Francisco.

Contractor—W. C. Duncan Co., 85 Ceritos Ave., San Francisco.

COST, \$9400

#### REPAIRS

(2511) NOS. 6 AND 10 SECOND AVE. Repair fire damage.

Owner—Union Trust Co. Grant Ave & Market, San Francisco.

Architect—None.

Contractor—F. H. Scott, 1511 Ellis, San Francisco.

COST, \$3400

#### FRAME STORES

(2512) S IVY 155 W Octavia. One-story frame stores.

Owner—Corbett Estate, Cr. Contractors Architect—None.

Contractor—Hayes-Oser Co., Call Bldg., San Francisco.

COST, \$1000

#### ALTERATIONS

(2513) NO. 2545 LAKE. Raise and alter dwelling.

Owner—H. E. Pastor, 64 Levant, S. F.

Architect—None.

Contractor—J. H. Phillips, 228 23rd Ave., San Francisco.

COST, \$500

#### ALTERATIONS

(2514) NO. 859 LOMBARD. Alter for flats.

Owner—Pompio Lunardini, 1753 Greenwich, San Francisco.

Architect—None.

Contractor—S. Montani, 1753 Greenwich, San Francisco.

COST, \$800

#### ALTERATIONS

(2515) NO. 2367 MISSION. Remove stairs and change show windows.

Owner—Spiro Bros., 309 Market, S. F.

Architect—None.

Contractor—Antone Peterson, 2722 San Bruno Ave., San Francisco.

COST, \$700

#### ALTERATIONS

(2516) NO. 1819 OCTAVIA. Alter for private garage.

Owner—J. Ruif, Premises.

Architect—None.

Contractor—L. Fontanella, 1920 Pine, San Francisco.

COST, \$820

#### FRAME STORE

(2517) NO. 305 PERSIA AVE. One-story frame store.

Owner—Mary E. Kornbou, 412 London, San Francisco.

Architect—None.

Day's work. COST, \$500

#### FRAME STORE BUILDING

(2518) NW GEARY AND FIFTEENTH Ave W 30XN 100. All work for one-story frame store building.

Owner—George R. Tsagalakis.

Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.

Contractor—Louis Fontanella, 1920 Pine St., San Francisco.

Filed Nov. 13, '19. Dated Nov. 14, '19.

Roof on .....\$1150

Plaster completed inside & out 1150

Completed and accepted ..... 1150

Usual 35 days ..... 1150

TOTAL COST, \$4600

Bond, \$2300. Surety, United States Fidelity & Guaranty Co. Limit, 35 days.

Forfeit, none. Plans and specifications filed.

#### ALTERATIONS

(2519) MINNESOTA & EIGHTEENTH Alterations and additions for cannery and warehouse.

Owner—California Canneries Co., 600

Minnesota, San Francisco.  
 Architect—None.  
 Contractor—H. A. Klyce, Call Bldg.,  
 San Francisco.

COST, \$15,000

#### FRAME DWELLING

(2520) E FUNSTON AVE 100 S Santiago. One-story and basement frame dwelling.

Owner—Anna C. Sutkamp, 2324 Funston Ave., San Francisco.

Architect—None.  
 Contractor—Wilson & Balbeani, 2530 29th Ave., San Francisco.

COST, \$1500

#### ALTERATIONS

(2521) W CHURCH 65 N Valley. Raise and alter dwelling.

Owner—Joel Johnson, 1139 Kansas, San Francisco.

Architect—None.  
 Day's work.

COST, \$1000

#### ALTERATIONS

(2522) N POST 150 W Leavenworth. Alter for store.

Owner—Goldberg Bowen Co.  
 Architect—S. Heiman, 57 Post, S. F.

Contractor—J. Spargo, 240 Montgomery San Francisco.

COST, \$1000

#### DWELLING

(2523) E TWENTY-SECOND AVE 250 N Geary. One-story and basement frame dwelling.

Owner—J. C. Kirby, 2175 Grove, San Francisco.

Architect—None.  
 Day's work.

COST, \$3000

#### AUTOMOBILE BLDG.

(2524) NW VAN NESS AVE AND Clay W 109-9 N 63-10 1/2. All work for two story Class "C" automobile building.

Owner—Louis R. Lurie, Mills Bldg., San Francisco.

Architect—Sam L. Hyman, Crocker Bldg., San Francisco.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

Filed Nov. 19, '19. Dated Nov. —, '19.

Excavation completed ..... \$1500

Frame completed to 2nd floor..... \$250

Roof on ..... \$250

Completed and accepted..... \$250

Usual 35 days..... \$750

TOTAL COST, \$35,000

Bond, \$17,500. Sureties, Albert Lachman and J. T. Casey. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

#### REMODELING, ETC.

(2525) NW EIGHTEENTH AND Howard N 25xW 95. Moving, repairing and remodeling two-story and basement frame (2) flats.

Owner—J. D. and F. Klopstock, Prem.

Architect—Mel L. Schwartz, 1202 Nevada Bank Bldg., San Francisco.

Contractor—J. S. Malloch, 180 Jessie, San Francisco.

Filed Nov. 13, '19. Dated Nov. 15, '19.

Foundation in ..... \$1500

Completed and accepted..... 1500

Usual 35 days..... 1000

TOTAL COST, \$4000

Bond, \$2000. Surety, Fidelity & Casualty Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

#### ALTERATIONS

(2526) NOS. 20 TO 31 OCTAVIA. Alter

present flats into apartments.  
 Owner—De Lavaga Estate Co., 244 California, San Francisco.  
 Architect—None.  
 Contractor—Geo. Hansbrough, 380 Bush, San Francisco.

COST, \$12,500

#### FRAME DWELLINGS

(2527) S SHAFER 253, 250, 275, 300. 325 and 350 W Jennings. Six one-story and basement frame dwellings.

Owner—James A. Duane, 77-A Hoff Ave., San Francisco.

Architect—None.  
 Day's work

COST, \$3000 each

#### REPAIR SHOP

(2528) S POST 220 W Larkin. One-story Class "C" repair shop.

Owner—Mrs. F. L. Perigo, Cr. Architect

Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Contractor—J. G. Kincannon, Care

Architect. COST, \$10,000

#### STORAGE SHED

(2529) E POTRERO AVE 125 N 16th. One-story frame storage shed.

Owner—Forderer Cornice Works, 269 Potrero Ave., San Francisco.

Architect—None.  
 Day's work.

COST, \$900

#### ALTERATIONS

(2530) NO. 325 CLEMENT. Remodel store front.

Owner—Wm. B. ... Premises

Architect—None.  
 Contractor—L. Sanborn, 71 7th Ave., San Francisco.

COST, \$900

#### FIXTURES, ETC.

(2531) NO. 25 FIRST. All fixtures and interior finish for reconstruction of store premises.

Owner—Buckingham & Hecht, Prem.

Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.

Contractor—Ira W. Coburn, 180 Jessie, San Francisco.

Filed Nov. 20, '19. Dated Nov. 18, '19.

All work delivered at building. \$1084

Completed and accepted..... 542

Usual 35 days..... 542

TOTAL COST, \$2168

Bond, \$1084. Sureties, Frank M. Phillips and V. Passio. Limit, 50 days.

Forfeit, none. Plans and specifications filed.

#### ALTERATIONS

(2532) NO. 765 MISSION. Alter for store.

Owner—A. F. Decker, Palace Hotel, San Francisco.

Architect—None.  
 Contractor—Swenson & Franzen, 145 Natoma, San Francisco.

COST, \$1400

#### FRAME DWELLING

(2533) SE ELSIE AND HOLLY PARK Circle. One-story and basement frame dwelling.

Owner—A. Wickborn, 498 Utah St., San Francisco.

Architect—None.  
 Contractor—Oscar Peterson, 643-A Capp, San Francisco.

COST, \$1500

#### ALTERATIONS

(2534) NO. 162 HIGHLAND AVE. Alter and repair dwelling.

Owner—Florence M. Vitt, 122-B High-

land Ave., San Francisco.  
 Architect—None.  
 Contractor—S. Persson, 3795 24th St., San Francisco.

COST, \$1500

#### FRAME GARAGE

(2535) NO. 2158 BUSH. One-story frame garage.

Owner—J. W. Marron, Premises.

Architect—Geo. M. Merritt, 3411 Geary St., San Francisco.

Contractor—Geo. M. Merritt, 3411 Geary St., San Francisco.

COST, \$1000

#### ALTERATIONS

(2536) NO. 2516 BUSH. Alter for basement garage.

Owner—Tessie M. Pisani, Premises.

Architect—Geo. M. Merritt, 3411 Geary St., San Francisco.

Contractor—Geo. M. Merritt, 3411 Geary St., San Francisco.

COST, \$722

#### ALTERATIONS

(2537) NO. 347 SEVENTEENTH AVE. Alter for basement garage.

Owner—M. Herzog, Premises.

Architect—Geo. M. Merritt, 3411 Geary St., San Francisco.

Contractor—Geo. M. Merritt, 3411 Geary St., San Francisco.

COST, \$450

#### ALTERATIONS

(2538) NO. 351 SEVENTEENTH AVE. Alter for basement garage.

Owner—C. Vincent, Premises.

Architect—Geo. M. Merritt, 3411 Geary St., San Francisco.

Contractor—Geo. M. Merritt, 3411 Geary St., San Francisco.

COST, \$400

#### FRAME DWELLING

(2539) W CONCORD 406 S Mission. One-story and basement frame dwelling.

Owner—P. Hogan, 915 Pierce St., San Francisco.

Architect—None.  
 Day's work.

COST, \$2200

#### ALTERATIONS

(2540) NO. 538 ASHBURY. Alter for basement garage and add sun porch and windows to dwelling.

Owner—J. A. Covick, 1012 Waller St., San Francisco.

Architect—Albert Lapachet, 110 Sutter St., San Francisco.

Contractor—Geo. M. Merritt, 3411 Geary St., San Francisco.

COST, \$5000

#### ADDITION

(2541) NW ELLIS AND JONES. One story brick addition to present five-story apartments.

Owner—Dr. L. C. Mendel, 415 Jones, San Francisco.

Architect—Grace Jewett, 57 Post St., San Francisco.

Contractor—A. Knowles, Call Bldg., San Francisco.

COST, \$15,000

#### ADDITION

(2542) NO. 552 MARKET. One-story addition for offices.

Owner—Hobart Estate Co., Hobart Bldg., San Francisco.

Architect—Willis Polk & Co., Hobart Bldg., San Francisco.



Contractor—Chas. Stockholm & Son,  
Monadnock Bldg., S. F.

COST, \$10,000

#### CLASS "A" THEATRE

(2543) W MISSION 263-4 S 29th.

Class "A" motion picture theatre.

Owner—Stephen Mariani, 2881 23rd.

San Francisco.

Architect—Reid Bros., California-Pacific Bldg., San Francisco.

Various Contractors.

COST, \$70,000

#### OFFICES

(2544) SE BRANNAN AND FREMONT. One-story concrete office.

Owner—City Coal Co., 234 Steuart, San Francisco.

Engineer—Howard C. Holmes, 112 Market, San Francisco.

Contractor—Hannah Bros., 142 Sansome, San Francisco.

COST, \$10,000

#### SHED AND BUNKERS

(2545) SE BRANNAN & FREMONT. One-story frame shed and bunkers.

Owner—City Coal Co., 234 Steuart, San Francisco.

Engineer—Howard C. Holmes, 112 Market, San Francisco.

Contractor—Hannah Bros., 142 Sansome, San Francisco.

COST, \$30,000

#### FRAME DWELLING

(2546) W EASTWOOD 45 S Wildwood. One-story and basement frame dwelling.

Owner—C. A. Hall, 1301 4th Ave., San Francisco.

Architect—None.

Day's work.

COST, \$3000

#### FRAME DWELLINGS

(2547) W TWENTY-SEVENTH AVE 255-310 N Balboa. Two one-story and basement frame dwellings.

Owner—Jacob Weissbein, Hobart Bldg San Francisco.

Architect—None.

Contractor—Meyer Bros., 2628 Anza, San Francisco.

COST, \$3975 each

#### ALTERATIONS

(2548) SW WASHINGTON & TAYLOR. Alter present garage to drug store.

Owner—Dolores Loazia, 20 Montgomery, San Francisco.

Plans by Owner.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

COST, \$3000

#### ALTERATIONS

(2549) N. 232 MAPLE. Alter for basement garage.

Owner—L. M. Kayle, Premises.

Architect—S. B. Newsom, Nevada Bk. Bldg., San Francisco.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

COST, \$900

#### EXCAVATION, ETC.

(2550) ON E SECOND N OF Bryant. Excavation and grading for addition to plant.

Owner—Schmidt Lithograph Co., Prem. Constr. Mgr.—Frederick Whitton, 369 Pine St., San Francisco.

Contractor—Sibley Grading & Teaming Co., 284 Dolores St., San Francisco.

Filed Nov. 21, '19. Dated Nov. 17, '19.

On 10th of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$7390

Bond, \$3695. Sureties, Chas. H. Hock and L. B. Sibley. Limit, 53 days. Forfeit, none. Plans and specifications filed.

#### HOSPITAL

(2551) NE BUSH AND HYDE. Six-story reinforced concrete class B hospital.

Owner—St. Francis Hospital Co., Prem. Architect—A. C. Coffey, Humboldt Bank Bldg., San Francisco.

Day's work.

COST, \$400,000

#### ALTER AND ADD

(2552) NO. 654 FULTON. Alter and add for dairy.

Owner—National Dairy Co., Premises. Architect—None.

Contractor—J. Salanave, 931 Pacific St., San Francisco.

COST, \$4850

#### CONCRETE WORK

(2553) SE HOWARD AND FIFTH Sts. Reinforced concrete work only for garage and warehouse, 155x188.

Owner—Pacific Gas & Electric Co., 445 Sutter, San Francisco.

Architect—Wm. Knowles, 1301 Hearst Bldg., San Francisco.

Contractor—Clinton Construction Co., 140 Townsend, San Francisco.

COST, \$114,120

#### ADDITION

(2554) S MARKET 195 W 4th. Erect concrete frame for extension of elevator shaft.

Owner—California Academy of Sciences, Golden Gate Park, S. F.

Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Contractor—Adolph Uhl, 38 O'Farrell, San Francisco.

COST, \$6000

#### DWELLINGS

(2555) S JOOST — E. Hamburg. Twelve one-story and basement frame dwellings, 24x38 each.

Owner—Monita Investment Co., 624 Phelan Bldg., San Francisco.

Architect—A. W. Smith, 1010 Broadway, Oakland.

Contractor—M. A. Anderson, 1927 Napa Ave., Berkeley.

COST, \$3000 each

#### BUILDING

(2556) S SUTTER 60 E Mason. Two-story and basement reinforced concrete class C show rooms, 60x127-6.

Owner—Wm. F. Dunn, Crocker Bldg., San Francisco.

Architect—S. Helman, 57 Post St., San Francisco.

Contractor—Monson Bros, 1907 Bryant, San Francisco.

COST, \$65,000

#### DWELLINGS

(2557) W PLYMOUTH 216 S Montecito. Two one-story and basement frame dwellings.

Owner—John J. Kingwell, 401 Butler Bldg., San Francisco.

Architect—Chas Strothoff, 2276 15th, San Francisco.

Contractor—Kingwell Bros., 444 Natoma, San Francisco.

COST, \$6900 each

#### DWELLING

(2558) E TWENTY-FOURTH AVE 300 N Balboa. One-story and basement

frame dwelling.

Owner—Simon Fraser.

Architect—None.

Contractor—Meyer Bros., 2628 Anza St., San Francisco.

COST, \$3975

#### ALTERATIONS

(2559) NO. 140 O'FARRELL. Erect phonograph booths, add mezzanine floor and install freight elevator.

Owner—Hauschildt Music Co., 111 Kearny St., San Francisco.

Architect—A. A. Pyle, 1794 Hayes St., San Francisco.

Day's work.

COST, \$10,000

#### ALTERATIONS

(2560) NO. 800 BAY. General alterations for store.

Owner—Robt. Gibson, Premises.

Architect—None.

Day's work.

COST, \$500

#### ADDITION

(2561) NW SAN LEANDRO WAY and Monterey Blvd. Add three rooms and garage to dwelling.

Owner—D Davenport, Premises.

Architect—Julia Morgan, Merchants Exchange Bldg., Presides.

Contractor—Wm. C. Hamerton & Son, 1301 Waller, San Francisco.

COST, \$3500

#### SHOPS

(2562) W VALENCIA 197 N 24th. One-story class C (2) shops, 67x90.

Owner—E. L. Prince, 1234 Eddy, San Francisco.

Architect—Martin A. Sheldon, 110 Sutter, San Francisco.

Day's work.

COST, \$9500

#### ALTERATIONS

(2563) NOS. 31, 35, 39, 43, 47 FIFTH. Remove and re-arrange partitions; store fronts, etc., for store.

Owner—Lincoln Realty Co., Mills Bldg., San Francisco.

Architect—None.

Contractor—F. W. Woolworth Co., 410 Rialto Bldg., San Francisco.

COST, \$15,000

#### FRAME FLATS

(2564) S GREEN 55 E Baker. Three-story and basement frame (3) flats.

Owner—A. Figoni, 2631 Baker, S. F.

Architect—None.

Day's work.

COST, \$6000

#### FRAME DWELLING

(2565) E FORESTSIDE 210 S Ulloa. Two-story and basement frame dwlg.

Owner—Fernando Nelson & Sons, 2 West Portal Park, San Francisco.

Architect—None.

Day's work.

COST, \$3000

#### FRAME DWELLING

(2566) W MADRONE 181 N Vincente. Two-story and basement frame dwlg.

Owner—Fernando Nelson & Sons, 2 West Portal Park, San Francisco.

Architect—None.

Day's work.

COST, \$3000

#### FRAME DWELLING

(2567) S VINCENTE 70 W Wawona. Two-story and basement frame dwlg.

Owner—Fernando Nelson & Sons, 2 West Portal Park, San Francisco.

Architect—None.

Day's work.

COST, \$3000

#### FRAME DWELLING

(2568) W WAWONA 175 N Vincente. Two-story and basement frame dwlg.

Owner—Fernando Nelson & Sons, 2 West Portal Park, San Francisco.

Architect—None.

Day's work.

COST, \$3000

#### IMPROVEMENTS

(2569) SW MONTGOMERY & SUTTER. Temporary improvements for offices and store.

Owner—Real Property Investment Co.,

902 1st National Bank Bldg., S. F.  
Architect—None.  
Contractor—W. & Bernieri, Claus  
Spreckels Bldg., San Francisco.  
COST, \$7900

## FRAME RESIDENCES

(2570) E THIRTY-THIRD AVE 125 N  
Taraval N 25x E 120; W Thirty-third  
ave 125 S Taraval S 25x W 120. All  
work for two frame residences.  
Owner—Parkside Realty Co., Crocker  
Bldg., San Francisco.

Architect—None.  
Contractor—Ernst Swanson, 311 Low-  
ell St., San Francisco.

Filed Nov. 22, '19. Dated No. 14, '19.  
Frame work completed.....\$2779  
Enclosed and brown coated.....\$279  
Completed.....2779  
Usual 35 days.....2779

Bond, none. Limit, 90 days. Forfeit,  
\$10. Plans and specifications filed.

## ALTERATIONS

(2571) INT. N. PACIFIC AND SW  
Columbus Ave W 40-2 1/2 N 48.30 SE  
62.95. All work for alterations to  
building.

Owner—D. Francis Premises.  
Architect—Albert Fabre and Alfred  
Pyle, 110 Sutter, San Francisco.

Contractor—Arthur Elvin, 110 Jessie,  
San Francisco.

Filed Nov. 22, '19. Dated Nov. 21, '19.  
Elevator shaft & show windows  
roughed in and altered.....\$2108  
Completed and accepted.....2108  
Usual 35 days.....2108

Bond, none. Limit, 40 days. Forfeit,  
\$10. Plans and specifications filed.

## ALTERATIONS

(2572) NO. 34 MASON. Alterations  
and additions to building.  
Owner—Art Tailoring Co., Premises.

Architect—Norman H. Coulter, 46 Kear-  
ny St., San Francisco.

Contractor—Schultz Constr. Co., 46  
Kearny St., San Francisco.

Filed Nov. 22, '19. Dated Nov. 10, '19.  
Completed.....\$1779  
Usual 35 days.....594

Bond, none. Limit, 15 days. Forfeit,  
none. Plans and specifications filed

## COMPLETION NOTICES

## San Francisco County

Nov. 15, 1919—N MISSION 236 E 2nd  
E 82 N 100 W 14 N 87-6 W 45 S 60  
W 1 S 23-9 W 22 S 102-9. Robert  
Balziel Co to Palmer & Petersen  
.....Nov. 15, 1919

Nov. 15, 1919—E COLUMBIA 65-9 S  
Union, C A Fyville and P A Bricea  
to Otto Carson.....Nov. 15, 1919

Nov. 18, 1919—NE EIGHTH 215 SE  
Folsom, S. 30x N 120 V H  
Robinson to Butler & Reilly.....

Nov. 18, 1919—WEST. LOTS 7 AND 8  
Plk 3161, Westwood Park. Hilding  
Anderson to Anderson & Johnson.....

Nov. 18, 1919—SW GEARY 24th and 29th  
Ave. 32x100. Anne Sattler to Fred  
Warden.....Oct. 25, 1919

Nov. 19, 1919—N POST 70 W Leaven-  
worth, W 40x E 60. Paulina Schoen-  
berg to Harry E. Drake, Nov. 17, '19

Nov. 19, 1919—COMG. 80 S AND 40W  
from SW Humboldt and Louisiana,  
850x W 50. Pacific Gas & Electric  
Co. to J. T. & J. L. Thorpe.....

Nov. 20, 1919—LOT 7 AND 8  
Westwood Park. Hans Nelson to Nelson  
Bros.....Nov. 19, 1919

Nov. 20, 1919—E TWENTY-FIRST  
Ave. 100 S Balboa, O. to Vincent J.  
to Karl Holmgren, O. Nov. 20, 1919

Nov. 20, 1919—E TWENTY-FIRST  
Ave. 100 S Balboa, O. A. Anderson  
to Karl Holmgren, O. Nov. 20, 1919

Nov. 20, 1919—S BUSH 34 W Brod-  
erick 32x100. Addie T. and Chas  
B. Pinkham to Alfred Dahl.....

Nov. 20, 1919—LOT 6 BLK 3197,  
Westwood Park. Mary Anne  
Houston to Nels P. Johnson.....

Nov. 21, 1919—NO. 101 WALNUT ST.  
J. W. Polhemus to F. P. Reilly.....

Nov. 21, 1919—SW BUCHANAN AND  
Sacramento W 87-6xS 64-8 1/4.  
Sophie Grannis to whom it may

concern.....Nov. 20, 1919  
Nov. 21, 1919—S GEARY 92-6 W  
Fettler, W. & Greenwald, L. W. Cor-  
der incorporated to Richard J. Miller,  
Forbes, J. A. Korbell Co., Nov. 15, '19

## LIENS FILED.

Nov. 12, 1919—N GEARY 191-3 E  
Fillmore E 55xN 137-6. Wm Ben-  
nett, 111 E 12-4 SE 80-10. Louis Fried-  
lander to Irving C Ackerman & Har-  
ris.....\$131,000

Nov. 15, 1919—S HILL 25 W Sanchez  
W 25xS 76-6. Henry Feige vs  
Lillie E Randolph.....\$54.20

Nov. 15, 1919—N RAYMOND AVE 50  
E Rutland E 50xN 100, Blk 51, Reis  
Tract. Edwin O Pearson vs Thos  
McQuade.....\$64.50

Nov. 19, 1919—N FELL 100 E Shra-  
der N 100xW 100. John D. Hoff  
as John D. Hoff Asbestos Co. vs.  
J. J. Dunn, W. J. Dunn, W. J.  
Dowling & Co., Fred Braun, M. C.  
Henderson, F. N. Biggam and W. J.  
Dowling.....\$67.95

## LEASES.

## San Francisco County.

Nov. 17, 1919—NW MARKET 102-1 1/2  
NE Golden Gate NE 50 W 55-9 W  
52-11 E 12-4 SE 80-10. Louis Fried-  
lander to Irving C Ackerman & Har-  
ris.....\$131,000

Nov. 17, 1919—W TWENTY-EIGHTH  
Ave 275 N Geary. Arthur J. and  
Gertrude A. Falvey to Wm and E  
L. Woodfield, 38 months.....\$1540.

Nov. 17, 1919—NO. 1239 POLK. Chas  
Bliss to Iobst and Mary Dodds. 3  
years.....\$5220.

Nov. 17, 1919—NO. 273 TWELFTH.  
Verein Eintracht to H A Wilson and  
P. R. Jensen (as Wilson & Jensen). 2  
years.....\$960.

Nov. 18, 1919—NO. 2045 DIVISADERO.  
J. B. Enzler to W O Purdy and A W  
Bagot. Sept. 1, 1921. \$35 per month.

Nov. 18, 1919—NO. 2171 MISSION E  
line bet. 17th and 18th. Provident  
Security Corp to Heime Piano Co. 5  
years.....\$6300.

Nov. 19, 1919—NO. 42 PALM AVE.  
John P. Mues to W S Howard. 15  
months.....\$85 per month.

Nov. 19, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

Nov. 20, 1919—SW GREENWICH AND  
Leavenworth. Greenwich Terrace  
Householding Ass'n to Jennie, Mamie  
and Callie Huff. \$20 per month.

3516 Baker Baker 5000  
3517 Begier Begier 2750  
3518 Day Irish 1500  
3519 Moller Legeris 425  
3520 Werum Petros 420  
3521 Hill Olsen 800  
3522 Dempsey Power 400  
3523 Burrell Parks 400  
3524 Cox Matley 1000  
3525 Covell Mason 500  
3526 Reed Anderson 1800  
3527 Armstrong Westlund 1800  
3528 Kroska Kroska 3000  
3529 Still Tanner 3000  
3530 Neustader Jensen 5000  
3531 Athenian Club Owner 3000  
3532 Patton Hansen 2800  
3533 Noble Noble 2500  
3534 City of Okd Bd Ed 2000  
3535 Belagialio Field 400  
3536 Reid Anderson 4800  
3537 Wood Connor 11300  
3538 Gay Waddell 1350  
3539 Bruck Bruck 2500  
3540 Johnson Johnson 2000  
3541 Korn Johnson 600  
3542 Montenegro Warren 7000  
3543 Mott Mott 600  
3544 Burton Burton 400  
3545 Ekly Bd Ed Owner 450  
3546 Field Randlett 450  
3547 Pritchard Hammond 500  
3548 Camalson Edmondson 600  
3549 Smith MacGregor 5995  
3550 Same Same 5500  
3551 Same Same 2995  
3552 Same Same 2995  
3553 Smith Owner 7000  
3554 Shell Gutleben 2000  
3555 Owner Owner 5000  
3556 Money Money 2500  
3557 Heibold Motts 475  
3558 Guild MacGregor 800  
3559 Burton Can'g Turner 5000  
3560 Western Can'g Turner 3210  
3561 Neustader Jensen 5295  
3562 College Av Meth Thaxter 6000  
3563 Drago Toso 500  
3564 Wallisch Owner 600

3516 Baker Baker 5000  
3517 Begier Begier 2750  
3518 Day Irish 1500  
3519 Moller Legeris 425  
3520 Werum Petros 420  
3521 Hill Olsen 800  
3522 Dempsey Power 400  
3523 Burrell Parks 400  
3524 Cox Matley 1000  
3525 Covell Mason 500  
3526 Reed Anderson 1800  
3527 Armstrong Westlund 1800  
3528 Kroska Kroska 3000  
3529 Still Tanner 3000  
3530 Neustader Jensen 5000  
3531 Athenian Club Owner 3000  
3532 Patton Hansen 2800  
3533 Noble Noble 2500  
3534 City of Okd Bd Ed 2000  
3535 Belagialio Field 400  
3536 Reid Anderson 4800  
3537 Wood Connor 11300  
3538 Gay Waddell 1350  
3539 Bruck Bruck 2500  
3540 Johnson Johnson 2000  
3541 Korn Johnson 600  
3542 Montenegro Warren 7000  
3543 Mott Mott 600  
3544 Burton Burton 400  
3545 Ekly Bd Ed Owner 450  
3546 Field Randlett 450  
3547 Pritchard Hammond 500  
3548 Camalson Edmondson 600  
3549 Smith MacGregor 5995  
3550 Same Same 5500  
3551 Same Same 2995  
3552 Same Same 2995  
3553 Smith Owner 7000  
3554 Shell Gutleben 2000  
3555 Owner Owner 5000  
3556 Money Money 2500  
3557 Heibold Motts 475  
3558 Guild MacGregor 800  
3559 Burton Can'g Turner 5000  
3560 Western Can'g Turner 3210  
3561 Neustader Jensen 5295  
3562 College Av Meth Thaxter 6000  
3563 Drago Toso 500  
3564 Wallisch Owner 600

3516 Baker Baker 5000  
3517 Begier Begier 2750  
3518 Day Irish 1500  
3519 Moller Legeris 425  
3520 Werum Petros 420  
3521 Hill Olsen 800  
3522 Dempsey Power 400  
3523 Burrell Parks 400  
3524 Cox Matley 1000  
3525 Covell Mason 500  
3526 Reed Anderson 1800  
3527 Armstrong Westlund 1800  
3528 Kroska Kroska 3000  
3529 Still Tanner 3000  
3530 Neustader Jensen 5000  
3531 Athenian Club Owner 3000  
3532 Patton Hansen 2800  
3533 Noble Noble 2500  
3534 City of Okd Bd Ed 2000  
3535 Belagialio Field 400  
3536 Reid Anderson 4800  
3537 Wood Connor 11300  
3538 Gay Waddell 1350  
3539 Bruck Bruck 2500  
3540 Johnson Johnson 2000  
3541 Korn Johnson 600  
3542 Montenegro Warren 7000  
3543 Mott Mott 600  
3544 Burton Burton 400  
3545 Ekly Bd Ed Owner 450  
3546 Field Randlett 450  
3547 Pritchard Hammond 500  
3548 Camalson Edmondson 600  
3549 Smith MacGregor 5995  
3550 Same Same 5500  
3551 Same Same 2995  
3552 Same Same 2995  
3553 Smith Owner 7000  
3554 Shell Gutleben 2000  
3555 Owner Owner 5000  
3556 Money Money 2500  
3557 Heibold Motts 475  
3558 Guild MacGregor 800  
3559 Burton Can'g Turner 5000  
3560 Western Can'g Turner 3210  
3561 Neustader Jensen 5295  
3562 College Av Meth Thaxter 6000  
3563 Drago Toso 500  
3564 Wallisch Owner 600

3516 Baker Baker 5000  
3517 Begier Begier 2750  
3518 Day Irish 1500  
3519 Moller Legeris 425  
3520 Werum Petros 420  
3521 Hill Olsen 800  
3522 Dempsey Power 400  
3523 Burrell Parks 400  
3524 Cox Matley 1000  
3525 Covell Mason 500  
3526 Reed Anderson 1800  
3527 Armstrong Westlund 1800  
3528 Kroska Kroska 3000  
3529 Still Tanner 3000  
3530 Neustader Jensen 5000  
3531 Athenian Club Owner 3000  
3532 Patton Hansen 2800  
3533 Noble Noble 2500  
3534 City of Okd Bd Ed 2000  
3535 Belagialio Field 400  
3536 Reid Anderson 4800  
3537 Wood Connor 11300  
3538 Gay Waddell 1350  
3539 Bruck Bruck 2500  
3540 Johnson Johnson 2000  
3541 Korn Johnson 600  
3542 Montenegro Warren 7000  
3543 Mott Mott 600  
3544 Burton Burton 400  
3545 Ekly Bd Ed Owner 450  
3546 Field Randlett 450  
3547 Pritchard Hammond 500  
3548 Camalson Edmondson 600  
3549 Smith MacGregor 5995  
3550 Same Same 5500  
3551 Same Same 2995  
3552 Same Same 2995  
3553 Smith Owner 7000  
3554 Shell Gutleben 2000  
3555 Owner Owner 5000  
3556 Money Money 2500  
3557 Heibold Motts 475  
3558 Guild MacGregor 800  
3559 Burton Can'g Turner 5000  
3560 Western Can'g Turner 3210  
3561 Neustader Jensen 5295  
3562 College Av Meth Thaxter 6000  
3563 Drago Toso 500  
3564 Wallisch Owner 600

3516 Baker Baker 5000  
3517 Begier Begier 2750  
3518 Day Irish 1500  
3519 Moller Legeris 425  
3520 Werum Petros 420  
3521 Hill Olsen 800  
3522 Dempsey Power 400  
3523 Burrell Parks 400  
3524 Cox Matley 1000  
3525 Covell Mason 500  
3526 Reed Anderson 1800  
3527 Armstrong Westlund 1800  
3528 Kroska Kroska 3000  
3529 Still Tanner 3000  
3530 Neustader Jensen 5000  
3531 Athenian Club Owner 3000  
3532 Patton Hansen 2800  
3533 Noble Noble 2500  
3534 City of Okd Bd Ed 2000  
3535 Belagialio Field 400  
3536 Reid Anderson 4800  
3537 Wood Connor 11300  
3538 Gay Waddell 1350  
3539 Bruck Bruck 2500  
3540 Johnson Johnson 2000  
3541 Korn Johnson 600  
3542 Montenegro Warren 7000  
3543 Mott Mott 600  
3544 Burton Burton 400  
3545 Ekly Bd Ed Owner 450  
3546 Field Randlett 450  
3547 Pritchard Hammond 500  
3548 Camalson Edmondson 600  
3549 Smith MacGregor 5995  
3550 Same Same 5500  
3551 Same Same 2995  
3552 Same Same 2995  
3553 Smith Owner 7000  
3554 Shell Gutleben 2000  
3555 Owner Owner 5000  
3556 Money Money 2500  
3557 Heibold Motts 475  
3558 Guild MacGregor 800  
3559 Burton Can'g Turner 5000  
3560 Western Can'g Turner 3210  
3561 Neustader Jensen 5295  
3562 College Av Meth Thaxter 6000  
3563 Drago Toso 500  
3564 Wallisch Owner 600

3516 Baker Baker 5000  
3517 Begier Begier 2750  
3518 Day Irish 1500  
3519 Moller Legeris 425  
3520 Werum Petros 420  
3521 Hill Olsen 800  
3522 Dempsey Power 400  
3523 Burrell Parks 400  
3524 Cox Matley 1000  
3525 Covell Mason 500  
3526 Reed Anderson 1800  
3527 Armstrong Westlund 1800  
3528 Kroska Kroska 3000  
3529 Still Tanner 3000  
3530 Neustader Jensen 5000  
3531 Athenian Club Owner 3000  
3532 Patton Hansen 2800  
3533 Noble Noble 2500  
3534 City of Okd Bd Ed 2000  
3535 Belagialio Field 400  
3536 Reid Anderson 4800  
3537 Wood Connor 11300  
3538 Gay Waddell 1350  
3539 Bruck Bruck 2500  
3540 Johnson Johnson 2000  
3541 Korn Johnson 600  
3542 Montenegro Warren 7000  
3543 Mott Mott 600  
3544 Burton Burton 400  
3545 Ekly Bd Ed Owner 450  
3546 Field Randlett 450  
3547 Pritchard Hammond 500  
3548 Camalson Edmondson 600  
3549 Smith MacGregor 5995  
3550 Same Same 5500  
3551 Same Same 2995  
3552 Same Same 2995  
3553 Smith Owner 7000  
3554 Shell Gutleben 2000  
3555 Owner Owner 5000  
3556 Money Money 2500  
3557 Heibold Motts 475  
3558 Guild MacGregor 800  
3559 Burton Can'g Turner 5000  
3560 Western Can'g Turner 3210  
3561 Neustader Jensen 5295  
3562 College Av Meth Thaxter 6000  
3563 Drago Toso 500  
3564 Wallisch Owner 600

3516 Baker Baker 5000  
3517 Begier Begier 2750  
3518 Day Irish 1500  
3519 Moller Legeris 425  
3520 Werum Petros 420  
3521 Hill Olsen 800  
3522 Dempsey Power 400  
3523 Burrell Parks 400  
3524 Cox Matley 1000  
3525 Covell Mason 500  
3526 Reed Anderson 1800  
3527 Armstrong Westlund 1800  
3528 Kroska Kroska 3000  
3529 Still Tanner 3000  
3530 Neustader Jensen 5000  
3531 Athenian Club Owner 3000  
3532 Patton Hansen 2800  
3533 Noble Noble 2500  
3534 City of Okd Bd Ed 2000  
3535 Belagialio Field 400  
3536 Reid Anderson 4800  
3537 Wood Connor 11300  
3538 Gay Waddell 1350  
3539 Bruck Bruck 2500  
3540 Johnson Johnson 2000  
3541 Korn Johnson 600  
3542 Montenegro Warren 7000  
3543 Mott Mott 600  
3544 Burton Burton 400  
3545 Ekly Bd Ed Owner 450  
3546 Field Randlett 450  
3547 Pritchard Hammond 500  
3548 Camalson Edmondson 600  
3549 Smith MacGregor 5995  
3550 Same Same 5500  
3551 Same Same 2995  
3552 Same Same 2995  
3553 Smith Owner 7000  
3554 Shell Gutleben 2000  
3555 Owner Owner 5000  
3556 Money Money 2500  
3557 Heibold Motts 475  
3558 Guild MacGregor 800  
3559 Burton Can'g Turner 5000  
3560 Western Can'g Turner 3210  
3561 Neustader Jensen 5295  
3562 College Av Meth Thaxter 6000  
3563 Drago Toso 500  
3564 Wallisch Owner 600

3516 Baker Baker 5000  
3517 Begier Begier 2750  
3518 Day Irish 1500  
3519 Moller Legeris 425  
3520 Werum Petros 420  
3521 Hill Olsen 800  
3522 Dempsey Power 400  
3523 Burrell Parks 400  
3524 Cox Matley 1000  
3525 Covell Mason 500  
3526 Reed Anderson 1800  
3527 Armstrong Westlund 1800  
3528 Kroska Kroska 3000  
3529 Still Tanner 3000  
3530 Neustader Jensen 5000  
3531 Athenian Club Owner 3000  
3532 Patton Hansen 2800  
3533 Noble Noble 2500  
3534 City of Okd Bd Ed 2000  
3535 Belagialio Field 400  
3536 Reid Anderson 4800  
3537 Wood Connor 11300  
3538 Gay Waddell 1350  
3539 Bruck Bruck 2500  
3540 Johnson Johnson 2000  
3541 Korn Johnson 600  
3542 Montenegro Warren 7000  
3543 Mott Mott 600  
3544 Burton Burton 400  
3545 Ekly Bd Ed Owner 450  
3546 Field Randlett 450  
3547 Pritchard Hammond 500  
3548 Camalson Edmondson 600  
3549 Smith MacGregor 5995  
3550 Same Same 5500  
3551 Same Same 2995  
3552 Same Same 2995  
3553 Smith Owner 7000  
3554 Shell Gutleben 2000  
3555 Owner Owner 5000  
3556 Money Money 2500  
3557 Heibold Motts 475  
3558 Guild MacGregor 800  
3559 Burton Can'g Turner 5000  
3560 Western Can'g Turner 3210  
3561 Neustader Jensen 5295  
3562 College Av Meth Thaxter 6000  
3563 Drago Toso 500  
3564 Wallisch Owner 600

3516 Baker Baker 5000  
3517 Begier Begier 2750  
3518 Day Irish 1500  
3519 Moller Legeris 425  
3520 Werum Petros 420  
3521 Hill Olsen 800  
3522 Dempsey Power 400  
3523 Burrell Parks 400  
3524 Cox Matley 1000  
3525 Covell Mason 500  
3526 Reed Anderson 1800  
3527 Armstrong Westlund 1800  
3528 Kroska Kroska 3000  
3529 Still Tanner 3000  
3530 Neustader Jensen 5000  
3531 Athenian Club Owner 3000  
3532 Patton Hansen 2800  
3533 Noble Noble 2500  
3534 City of Okd Bd Ed 2000  
3535 Belagialio Field 400  
3536 Reid Anderson 4800  
3537 Wood Connor 11300  
3538 Gay Waddell 1350  
3539 Bruck Bruck 2500  
3540 Johnson Johnson 2000  
3541 Korn Johnson 600  
3542 Montenegro Warren 7000  
3543 Mott Mott 600  
3544 Burton Burton 400  
3545 Ekly Bd Ed Owner 450  
3546 Field Randlett 450  
3547 Pritchard Hammond 500  
3548 Camalson Edmondson 600  
3549 Smith MacGregor 5995  
3550 Same Same 5500  
3551 Same Same 2995  
3552 Same Same 2995  
3553 Smith Owner 7000  
3554 Shell Gutleben 2000  
3555 Owner Owner 5000  
3556 Money Money 2500  
3557 Heibold Motts 475  
3558 Guild MacGregor 800  
3559 Burton Can'g Turner 5000  
3560 Western Can'g Turner 3210  
3561 Neustader Jensen 5295  
3562 College Av Meth Thaxter 6000  
3563 Drago Toso 500  
3564 Wallisch Owner 600

3516 Baker Baker 5000  
3517 Begier Begier 2750  
3518 Day Irish 1500  
3519 Moller Legeris 425  
3520 Werum Petros 420  
3521 Hill Olsen 800  
3522 Dempsey Power 400  
3523 Burrell Parks 400  
3524 Cox Matley 1000  
3525 Covell Mason 500  
3526 Reed Anderson 1800  
3527 Armstrong Westlund 1800  
3528 Kroska Kroska 3000  
3529 Still Tanner 3000  
3530 Neustader Jensen 5000  
3531 Athenian Club Owner 3000  
3532 Patton Hansen 2800  
3533 Noble Noble 2500  
3534 City of Okd Bd Ed 2000  
3535 Belagialio Field 400  
3536 Reid Anderson 4800  
3537 Wood Connor

Owner—H. Fisher, 11th and Fallon, Oakland.  
 Architect—None.  
 Contractor—F. T. Malley, 501 Santa Ray Ave., Oakland.  
 COST, \$5000

DWELLING  
 (3516) S ERIE 80 E Prince, Oakland  
 Two-story 7-room dwelling.  
 Owner—W. J. Barker, 546 30th. Oakland.  
 Architect—None.  
 Day's work.  
 COST, \$5000

DWELLING  
 (3517) W NINETY-NINTH AVE 129 S E-14th, Oakland. One-story 4-room dwelling.  
 Owner—L. H. Begier, 1525 Stanley Ave., Oakland.  
 Architect—None.  
 Contractor—Henry H. Begier, 748 E-14th St., San Leandro.  
 COST, \$2750

ALTERATIONS  
 (3518) NE FOURTH AND WEBSTER, Oakland. Alterations and repairs.  
 Owner—Day & Gimbal, 1420 Jackson, Oakland.  
 Architect—None.  
 Contractor—H. E. Irish, Alameda.  
 COST, \$1500

GARAGE  
 (3519) NO. 700 ARIMO AVE., Oakland Garage.  
 Owner—F. D. Moller, Premises.  
 Architect—None.  
 Contractor—Alfred Peterson, 3918 Lenwood Ave., Oakland.  
 COST, \$400

ADDITION  
 (3520) NO. 2859 BROOKDALE AVE., Oakland. Addition.  
 Owner—B. Werum.  
 Architect—None.  
 Contractor—L. H. Legris, 2600 Fruitvale Ave., Oakland.  
 COST, \$425

ALTERATIONS  
 (3521) NO. 1561 JACKSON, Oakland. Alterations.  
 Owner—Mr. Hill, Premises.  
 Architect—None.  
 Contractor—Oscar Olsen, 4351 Howe, Oakland.  
 COST, \$800

GARAGE  
 (3522) NO. 371 OAKLAND AVE., Oakland. Garage.  
 Owner—Mrs. James Dempsey, 375 Walsworth Ave., Oakland.  
 Architect—None.  
 Contractor—J. J. Power, 774 20th. Oakland.  
 COST, \$400

GARAGE  
 (3523) NO. 345 PALM AVE., Oakland. Garage.  
 Owner—A. Burrell, Premises.  
 Architect—None.  
 Contractor—C. E. Burks, 4152 Randolph Ave., Oakland.  
 COST, \$400

ALTERATIONS  
 (3524) SE THIRTIETH AVE AND E-14th, Oakland. Alterations.  
 Owner—Cox & Freeman and Roach & Freeman, Premises.  
 Architect—None.

Contractor—F. T. Malley, 3007 Grove, Oakland.  
 COST, \$1000

REPAIRS  
 (3525) NO. 2022 OXFORD, Berkeley. Fire repairs.  
 Owner—Miss M. E. Covell, Premises.  
 Architect—None.  
 Contractor—Mason McDuffie Co., Shattuck and Addison, Berkeley.  
 COST, \$500

DWELLING  
 (3526) CATALINA AND ALAMEDA, Berkeley. One-story 6-room dwlg.  
 Owner—H. C. Reed, 1214 Oxford, Bkly.  
 Architect—W. M. Morrison, San Francisco.  
 Contractor—Geo. W. Anderson, 684 16th St., Oakland.  
 COST, \$4800

APARTMENTS, ETC.  
 (3527) SE MAIN AND "A" 50x100, Hayward. All work for two-story reinforced concrete garage and apartments.  
 Owner—Sarah M. Armstrong, Hayward  
 Architect—Sidney B. Newsum, Nevada Bank Bldg., San Francisco.  
 Contractor—Fred J. Westlund, 2207 10th Ave., Oakland.  
 Piled Nov. 17, '19. Dated Nov. 15, '19.  
 Walls up ..... ¼  
 Roof on ..... ¼  
 Completed ..... ¼  
 Usual 35 days ..... ¼  
 TOTAL COST, \$14,000

Bond, none. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

DWELLING  
 (3528) E THE ALAMEDA 100 W Milvia, Berkeley. One-story 5-room dwelling.  
 Owner—M. E. Krosca, 1022 Shattuck Ave., Berkeley.  
 Architect—None.  
 Contractor—E. I. Krosca, 1022 Shattuck Ave., Berkeley.  
 COST, \$3000

DWELLING  
 (3529) HOPKINS AND CORNELL, Berkeley. One-story 6-room dwlg.  
 Owner—W. A. Still, 1408 Kains Ave., Berkeley.  
 Architect—None.  
 Contractor—F. Tanner, 1118 Delaware, Berkeley.  
 COST, \$3000

ADDITION  
 (3530) NE E-EIGHTEENTH AND 12th Ave., Oakland. One-story addition to factory.  
 Owner—Neustader Bros., Inc., 62 First St., San Francisco.  
 Architect—S. Schnattdacher, 233 Post St., San Francisco.  
 Contractor—G. P. W. Jensen, 320 Market St., San Francisco.  
 COST, \$5000

ALTERATIONS  
 (3531) NW FOURTEENTH AND Franklin, Oakland. Alterations.  
 Owner—Athenian Nile Club, Premises.  
 Architect—Walter J. Mathews, 927 Broadway, Oakland.  
 Day's work.  
 COST, \$3000

DWELLING  
 (3532) NO. 481 STOW AVE., Oakland.

One and one-half-story dwelling and garage.  
 Owner—Mrs. M. E. Patton, Premises.  
 Architect—Chas. W. McCall, Central Bank Bldg., Oakland.  
 Contractor—Louis O. Hansson, 1409 Bonita Ave., Berkeley.  
 COST, \$2800

DWELLING  
 (3533) S THIRTY-FIFTH 520 W Telegraph Ave., Oakland. One-story six-room dwelling.  
 Owner—G. H. Noble, 2205 Santa Clara Ave., Oakland.  
 Architect—None.  
 Day's work.  
 COST, \$2800

ADDITION  
 (3534) PERRY AND VAN BUREN, Oakland. Two-story addition to school.  
 Owner—City of Oakland.  
 Architect—None.  
 Contractor—Board of Education, City Hall, Oakland.  
 COST, \$2000

ADDITION  
 (3535) NO. 3105 BOEHLER, Oakland. Addition.  
 Owner—F. Bebagliatto, Premises.  
 Architect—None.  
 Contractor—John Field, 590 63rd. Ogd.  
 COST, \$400

DWELLING  
 (3536) CATALINA AND ALAMEDA, being port. Lot 4, Blk 8, Thousand Oaks Station Tract, Berkeley. All work for six-room dwelling.  
 Owner—H. C. Reid, 1219 Oxford St., Berkeley.  
 Architect—Milton W. Morrison, 716 41st Ave., San Francisco.  
 Contractor—George W. Anderson, 684 16th St., Oakland.

Piled Nov. 19, '19. Dated Nov. 5, '19.  
 Frame up ..... ¼  
 Plastered ..... ¼  
 Completed and accepted ..... ¼  
 Usual 35 days ..... ¼  
 TOTAL COST, \$4800  
 Bond, Sureties, none. Limit, February 5, 1920. No plans or specifications filed.

DWELLING  
 (3537) W WARRING 375 S Dwight Way, S 50xW 135, Berkeley. All work for two-story frame dwelling.  
 Owner—Arthur B. Wood.  
 Architect—W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.  
 Contractor—Connor & Connor, 2105 Berkeley Way, Berkeley.  
 Piled Nov. 19, '19. Dated Nov. 19, '19.  
 First of each month ..... 15%  
 Usual 35 days ..... 25%  
 TOTAL COST, \$11,350

Bond, Sureties, none. Forfeit, \$5.00. Limit, 85 days. Plans and specifications filed.

ADDITION  
 (3538) NO. 270 ATHOL AVE., Oakland. Addition.  
 Owner—Lucy E. Gay, Premises.  
 Architect—None.  
 Contractor—R. P. Waddell, 313 Newton Ave., Oakland  
 COST, \$1350

DWELLING  
 (3539) E FORTIETH AVE 150 S E-14th, Oakland. One and one-half-story 6-room dwelling.

Owner—Theo. Bruck, 1240 40th Ave., Oakland.  
 Architect—None.  
 Day's work. COST, \$2500

DWELLING  
 (3540) N E-TWENTY-SECOND 400 W Fruitvale Ave., Oakland. One-story 4-room dwelling.  
 Owner—Hanna A. M. Johnson, 283 9th St., Oakland.  
 Architect—None.  
 Contractor—A. M. Johnson, 283 9th St., Oakland.  
 COST, \$2000

ADDITION  
 (3541) NO. 6025 LAWTON AVE., Oakland. Addition.  
 Owner—J. Korn.  
 Architect—None.  
 Contractor—Peter Johnson, 1111 Alice, Oakland.  
 COST, \$690

DWELLING  
 (3542) E WINSOR AVE 100 N Howard Road, Oakland. Two-story 6-room dwelling.  
 Owner—Dr. Montenegro, 1001 Winsor Ave., Oakland.  
 Architect—A. W. Smith, 1010 Broadway, Oakland.  
 Contractor—C. H. Warren, 2615 Derby, Berkeley.  
 COST, \$7000

ADDITION  
 (3543) NO. 2339 ELLSWORTH, Berkeley. Addition.  
 Owner—James Mott, 536 44th, Berkeley.  
 Architect—None.  
 Day's work. COST, \$600

GARAGE  
 (3544) NO. 1069 MARIPOSA AVE., Berkeley. Garage.  
 Owner—F. Button, Premises.  
 Architect—None.  
 Day's work. COST, \$400

SCHOOL  
 (3545) WARD AND CALIFORNIA, Berkeley. One-story school.  
 Owner—Berkeley Board of Education, 2133 Allston Way, Berkeley.  
 Architect—None.  
 Day's work. COST, \$950

GARAGE  
 (3546) NO. 1307 BAY ST., Alameda. Garage.  
 Owner—Russell Field, Premises.  
 Architect—None.  
 Contractor—E. Randlett, 1534 Chestnut, Alameda.  
 COST, \$450

ALTERATIONS  
 (3547) NO. 2153 SANTA CLARA AVE., Alameda. Alterations.  
 Owner—Mrs. A. Pritchard, Premises.  
 Architect—None.  
 Contractor—Jas. Hammond, 2709 Central Ave., Alameda.  
 COST, \$550

ALTERATIONS  
 (3548) NO. 2433 WEBB AVE., Alameda. Alterations.  
 Owner—Mrs. L. Camales, Premises.  
 Architect—None.  
 Contractor—J. P. Edwardson, 2433 Webb Ave., Alameda.  
 COST, \$300

DWELLINGS  
 (3549) E HUMBOLDT 40 and 80 N Brookdale, Oakland. Two one-story 5-room dwellings.  
 Owner—Gladys M. Smith, Oakland Bk. of Savings Bldg., Oakland.  
 Architect—None.  
 Contractor—C. M. MacGregor, 470 13th St., Oakland.  
 COST, \$2998 each

DWELLINGS  
 (3550) E HUMBOLDT AVE 37, 75 and 112 N Deering, Oakland. Three one-story 4-room dwellings.  
 Owner—Gladys M. Smith, Oakland Bk. of Savings Bldg., Oakland.  
 Architect—None.  
 Contractor—C. M. MacGregor, 470 13th St., Oakland.  
 COST, \$2750 each

DWELLING  
 (3551) NE HUMBOLDT AND BROOKDALE, Oakland. One-story 5-room dwelling.  
 Owner—Gladys M. Smith, Oakland Bk. of Savings Bldg., Oakland.  
 Architect—None.  
 Contractor—C. M. MacGregor, 470 13th St., Oakland.  
 COST, \$2998

DWELLING  
 (3552) NE HUMBOLDT AND DEERING, Oakland. One-story 5-room dwelling.  
 Owner—Gladys M. Smith, Oakland Bk. of Savings Bldg., Oakland.  
 Architect—None.  
 Contractor—C. M. MacGregor, 470 13th St., Oakland.  
 COST, \$2998

DWELLING  
 (3553) SE ALMA AND EXCELSIOR Aves., Oakland. Two-story 9-room dwelling.  
 Owner—M. F. Smith, 436 Moss Ave., Oakland.  
 Architect—None.  
 Day's work. COST, \$7000

ADDITION  
 (3554) NE ELEVENTH AND CLAY, Oakland. One-story addition to gas station.  
 Owner—Shell Co. of California.  
 Architect—Chester H. Miller, New Call Bldg., San Francisco.  
 Contractor—Gutleben Bros., New Call Bldg., San Francisco.  
 COST, \$2000

DWELLING  
 (3555) W MERRITT AVE 203 N Cleveland, Oakland. One-story 6-room dwelling.  
 Owner—R. N. Brodie, 492 Stow Ave., Oakland.  
 Architect—A. J. Yerrick, 5255 College Ave., Oakland.  
 Day's work. COST, \$5000

DWELLING  
 (3556) E SIXTY-THIRD AVE 40 N Avenal Ave., Oakland. Two-story 6 room dwelling.  
 Owner—Elizabeth Money, 1214 E-17th, Oakland.  
 Architect—None.  
 Contractor—W. C. Money, 1214 E-17th, Oakland.  
 COST, \$2500

ADDITION  
 (3557) NO. 2423 MYRTLE, Oakland. Addition.  
 Owner—E. J. Heibold, 2325 Myrtle St., Oakland.  
 Architect—None.  
 Contractor—J. F. Motts, 565 55th, Okd., Oakland.  
 COST, \$475

REPAIRS  
 (3558) NO. 2403 ELEVENTH AVE., Oakland. Fire repairs.  
 Owner—D. Guild, Premises.  
 Architect—None.  
 Contractor—J. R. MacGregor, 731 60th, Oakland.  
 COST, \$800

PLUMBING  
 (3559) NW COR Park Ave and Harlan St., Emeryville. Plumbing work for two-story class C office building.  
 Owner—Western Canning Co., acting through agent P. J. Walker Co., Monadnock Bldg., San Francisco.  
 Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.  
 Contractor—The Turner Co., 272 Natoma St., San Francisco.

Filed Nov. 21, '19. Dated Nov. 19, '19  
 Monthly ..... 75%  
 Usual 35 days ..... 25%  
 TOTAL COST, \$5080  
 Bond, \$2540. Sureties, Globe Indemnity Co. Forfeit, Limit, none. Plans and specifications filed.

HEATING AND VENTILATING  
 (3560) HEATING & VENTILATING on above.  
 Contractor—Same as above.  
 Filed Nov. 21, '19. Dated Nov. 19, '19  
 Same as above.

TOTAL COST, \$3210  
 Bond, \$1605. Sureties, Globe Indemnity Co. Forfeit, Limit, none. Plans and specifications filed.

ADDITION  
 (3561) NE EIGHTEENTH ST AND NW 12th Ave. NW 75xNE 109.70, Oakland. Frame addition to factory.  
 Owner—Neustadtter Bros., 62 First St., San Francisco.  
 Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.  
 Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

Filed Nov. 20, '19. Dated Nov. 15, '19.  
 Frame up and roof boarded... \$2845  
 Completed and accepted ..... 1324  
 Usual 35 days ..... 1324  
 Bond, \$2848. Sureties, H. M. Schneider and Frederick W. Snook. Forfeit, \$10. Limit, 30 days. Plans and specifications filed.

(3562) S WEBSTER 178 E College Ave., Berkeley. Two-story 9-room dwelling.  
 Owner—College Avenue Methodist Church.  
 Architect—None.  
 Contractor—F. W. Thaxter, 1703 Virginia, Berkeley.  
 COST, \$6000

ADDITION  
 (3563) NO. 925 SEVENTH, Oakland. Addition.  
 Owner—Joe Drago, Premises.  
 Architect—None.  
 Contractor—A. Toso, 829 Myrtle, Okd.  
 COST, \$500

ADDITION  
 (3564) NO. 1920 NINETY-SECOND AV, Oakland. Addition.  
 Owner—John Wallisch, Premises.  
 Architect—None.  
 Day's work. COST, \$600

## COMPLETION NOTICES

## Alameda County

Nov. 14, 1919—SE FORTY-SEVENTH AVE and SW Melrose SW 40XSE 110, Okd. Sophia Kappeler to J T Walden. Nov. 5, 1919  
Nov. 14, 1919—CAMPUS MILLS COLLEGE. Mills College, Inc. to H I Kyle. Nov. 11, 1919  
Nov. 14, 1919—NE EVERETT AVE 388 SE 13th Ave SE 42 20 E 105.40 NW 34.95 SW 105.40, Okd. Robert Land to whom it may concern. Nov. 12, 1919  
Nov. 17, 1919—LOT 45 BLK 424 Lake Shore Park Heights, Okd. Katharina Swanson to California Builders Co. Oct. 20, 1919  
Nov. 17, 1919—LOT 32 BLK 1 and W 1/2 Lot 33 BLK 1 Map Lakeshore Highlands, Okd. Lakeshore Highlands Co to A Cederborg. Nov. 15, 1919  
Nov. 18, 1919—W WASHINGTON on 13th St., Oakland. Hoos Bros. to Jackson-Koski Co. Nov. 12, 1919  
Nov. 18, 1919—SE BAY AVE 150 NE Excelsior Ave NE 60XSE 100, Okd. Joseph M Carlson to Alfred Peterson. Nov. 1, 1919  
Nov. 19, 1919—LOT 32, BLK E. Map Elmwood Park, Berkeley, Lura J. Griffith to Jacob House. Nov. 19, 1919  
Nov. 20, 1919—LOT 17 BLK "D" Map Lakewood Park, Piedmont. William J Baker to whom it may concern. Nov. 19, 1919

## NOTICE OF NON-RESPONSIBILITY.

## Alameda County.

Nov. 17, 1919—NO. 1541 SAN PABLO AVE, Okd. George C Pardee as to improvements on leased property

## BUILDING CONTRACTS.

## Sacramento County.

FRAME DWELLING  
NO. 424 THIRTY-SECOND ST., Sacramento. One-story 5-room frame dwelling.  
Owner—J. B. Keyes, 2112 "G" St., Sacramento.  
Architect—None.  
Contractor—L. F. Gould, 600 Ventura St., Sacramento.

COST, \$3550

RESIDENCE  
NO. 2700 "L" ST., Sacramento. One-story 5-room frame residence.  
Owner—Geo. Leiser, Sonoma, Cal.  
Architect—None.  
Contractor—N. L. Bishop, Sacramento.  
COST, \$2800

RESIDENCE  
LOT 129, Casa Loma Terrace, Sacramento. Frame residence.  
Owner—J. H. Peters, Hotel Regis, Sacramento.  
Architect—None.  
Contractor—L. F. Gould, 600 Ventura St., Sacramento.  
COST, \$3650

RESIDENCE  
LOT 1586 W. & K. TRACT 24, Sacramento. Two-story frame residence and garage.  
Owner—S. M. Camp, 2116 Marshall Wy., Sacramento.  
Architect—None.  
Contractor—Jas. A. McCullough, 1015 23rd St., Sacramento.  
COST, \$7250

RESIDENCE  
NO. 726 THIRTY-EIGHTH ST., Sacramento. One-story 5-room frame residence and garage.  
Owner—P. McIntyre, 514 8th St., Sacramento.  
Architect—None.

Contractor—P. E. Reed, 2515 28th St., Sacramento.

COST, \$3750

RESIDENCE  
NO. 2450 PORTOLA WAY, Sacramento. Two-story 6-room frame residence.  
Owner—H. S. Alder, 1013 8th St., Sacramento.  
Architect—None.  
Contractor—N. L. Bishop, Sacramento.  
COST, \$5750

RESIDENCE  
NO. 2024 "P" ST., Sacramento. Two-story frame residence.  
Owner—W. M. Saunders, 2010 "I" St., Sacramento.  
Architect—None.  
Contractor—W. R. Saunders, 2614 "I" St., Sacramento.  
COST, \$11,400

ALTERATIONS  
NO. 1106 FIFTH ST., Sacramento. Alter lodging house.  
Owner—J. T. Stoll, Stoll Bldg., Sacramento.  
Architect—None.  
Day's work. COST, \$12,000

FRAME RESIDENCE  
NO. 3258 MARSHALL WAY, Sacramento. Frame residence.  
Owner—B. H. Bill, 3242 Marshall Way, Sacramento.  
Architect—None.  
Day's work. COST, \$1700

ADDITION  
WELLS-FARGO STORE ROOM, S. P. R. Depot, Sacramento. Addition to frame platform.  
Owner—Southern Pacific Co., Premises.  
Architect—None.  
Day's work. COST, \$1200

REMODEL  
NO. 2011 "M" ST., Sacramento. Remodel residence.  
Owner—R. P. Burr, Premises.  
Architect—None.  
Day's work. COST, \$5000

FRAME RESIDENCE  
NO. 3200 "D" ST., Sacramento. One-story 6-room frame residence.  
Owner—E. E. Fifield, Sacramento.  
Architect—None.  
Contractor—C. J. Hopkins, Sacramento  
COST, \$4300

FRAME RESIDENCE  
NO. 3991 FOURTH AVE., Sacramento. Two-story 8-room frame residence.  
Owner—W. B. Phillips, 4139 4th Ave., Sacramento.  
Architect—None.  
Day's work. COST, \$3000

## LIENS FILED.

## Sacramento County.

Recorded Amount  
Nov. 7, 1919—NO. 620 K ST. on W 1/2 of E 1/2 Lot 3, K, L, 6th and 7th Sts., Sacramento. Latourrette-Fical Co vs Harriett Knox A Knox et al. \$2168.09  
Nov. 10, 1919—LOT 2607, Oak Terrace, Sacramento. F A McIntyre vs H S Winter. \$151.60 with interest at 6% from Aug. 22, 1919.  
Nov. 12, 1919—W 1/2 OF E 1/2 LOT 3, K, L, 6th and 7th Sts., Sacramento. F B Carlaw and A Carlaw (as Carlaw Bros.) vs Christ, Harry and Geo Zampathas (as Zampathas Bros.), Nellie and Kate Turton and Belle and Harriet A Knox. \$367  
Nov. 14, 1919—NO. 620 "K" ST. W 1/2 of E 1/2 Lot 3, K, L, 6th and 7th Sts.,

Sacramento. Electric Supply Co vs Harriett A Knox, Nellie and Kate Turton and Chris and George Zampathas. \$424.80

## BUILDING CONTRACTS.

## Santa Clara County.

RESIDENCE  
CAMPUS OF STANFORD UNIVERSITY, Palo Alto. Metal laft, furring on ceiling and walls and corner beads for two and one-half-story Class "B" residence.  
Owner—Mrs. Lou Henry Hoover, Palo Alto.  
Architect—A. B. Clark, Stanford University, Palo Alto.  
Contractor—Hubert T. Lynch, 41 Gladys St., San Francisco.  
Filed Nov. 7, '19. Dated Nov. 4, '19.  
On 1st and 15th of each month 75%  
Usual 35 days. 25%  
TOTAL COST, depending upon cost of materials.  
Bond, \$2500. Sureties, Hubert T. Lynch and Fidelity & Deposit Co. of Maryland. Limit, to be given later. Forfeit, none. Plans and specifications filed.

FRAMING FOR WOOD PARTITION furring, grounds, rough flooring and sleepers on above.  
Contractor—H. P. Nelson, 2241 Grove St., Berkeley.  
Filed Nov. 7, '19. Dated Nov. 4, '19  
Payments same as above. TOTAL COST, \$451  
Bond, \$2258. Surety, Globe Indemnity Co. Limit, 35 working days from Nov. 4, 1919. Forfeit, none. Plans and specifications filed.

BARRACKS  
CAMPUS OF UNIVERSITY, Palo Alto. All work for military barracks; gun shed and horse shed.  
Owner—Board of Trustees of Leland Stanford Jr. University, Palo Alto.  
Architect—None.  
Contractor—George Wagner, 251 Kearny St., San Francisco.  
Filed Nov. 14, '19. Dated Nov. 12, '19.  
On last days of each month. 75%  
Usual 35 days. 25%  
TOTAL COST, \$10,672  
Bond, \$536. Surety, New Amsterdam Casualty Co. of New York. Limit, 60 working days from Nov. 12, 1919. Forfeit, none. Plans and specifications filed.

DWELLING, ETC.  
McKENDRIE ST., near San Jose. All work for one-story dwelling, garage and walks.  
Owner—Henrietta Blanchard, San Jose  
Architect—A. K. Burkett, San Jose.  
Contractor—A. K. Burkett, 161 N-16th St., San Jose.  
Filed Nov. 8, '19. Dated Nov. 5, '19.  
Frame up 1/4  
Brown coat plaster on. 1/4  
When completed 1/4  
30 days after. 1/4  
TOTAL COST, \$3634.50  
Bond, \$1850. Sureties, H. A. Blanchard and C. A. Harrington. Limit, forfeit, none. Plans and specifications filed.

COTTAGE  
NO. 694 N-SAN PEDRO ST., San Jose. Five-room cottage.  
Owner—C. F. Thomas, Premises.  
Architect—None.  
Day's work. COST, \$2000

## ALTERATIONS

TENTH AND TAYLOR STS., San Jose.  
Alterations to tomato department.  
Owner—California Co-operative Can-  
neries, Premises.  
Architect—None.  
Day's work. COST, \$20,000

## BOILER HOUSE

TENTH AND TAYLOR STS., San Jose.  
Concrete and tile boiler house.  
Owner—California Co-operative Can-  
neries, Premises.  
Architect—None.  
Day's work. COST, \$6000

## FREIGHT HOUSE

SAN CARLOS AND MARKET STS., San  
Jose. Freight house.  
Owner—Peninsular Railway Co., 143 S-  
Market St., San Jose.  
Architect—None.  
Day's work. COST, \$1000

## COMPLETION NOTICES.

## Santa Clara County.

Recorded Nov. 8, 1919—MOOREPARK AVE., Accepted  
near San Jose. Maude M Fessen-  
den to Al Compton. Nov. 8, 1919  
Nov. 6, 1919—CAMPUS OF STAN-  
ford University, Palo Alto. Board  
of Trustees of Stanford University  
to Rudgear-Merle Co. Nov. 4, 1919  
Nov. 8, 1919—MOUNTAIN VIEW &  
Saratoga Roads, near Sunnyvale.  
Associated L Co to W C Duncan &  
Co. Oct. 31, 1919  
Nov. 10, 1919—STATE HIGHWAY,  
Sunnyvale. Cockrell & Nielsen to  
H. A. Spreen. Nov. 2, 1919  
Nov. 7, 1919—GLISH UNA RANCH,  
Saratoga. Wm Ohlandt to C L  
Taylor and W H Jackson. Oct. 23, 1919  
Nov. 8, 1919—SAN CARLOS AND  
Market Sts., San Jose. Associated Oil  
Co to R O Summers. Oct. 31, 1919  
Nov. 17, 1919—HUGHES ST., San Jose.  
W C Losse to E L Wolfe. Oct. 7, 1919

## BUILDING CONTRACTS.

## Fresno County.

GARAGE  
LOTS 26, 27 AND 28 BLK 96, Fresno.  
Garage.  
Owner—M. M. Shooan, 459 "J" St.,  
Fresno.  
Architect—None.  
Day's work. COST, \$30,000

## FRAME DWELLING

LOT 45 S ½ Lot 43 Blk 2, Hazelton Ad-  
dition, Fresno. Frame dwelling.  
Owner—M. Romeo, 517 Callisch St.,  
Fresno.  
Architect—None.  
Day's work. COST, \$3500

## FRAME DWELLING, ETC.

LOT 4 BLK 2, Hazelton Addition, Fres-  
no. Frame dwelling and garage.  
Owner—Thos Montgomery.  
Architect—None.  
Contractor—Reese & Atkins, 3643 Platt  
St., Fresno.  
COST, \$3000

## FRAME DWELLING

LOTS 26 AND 27 BLK 31, Belmont Ad-  
dition, Fresno. Frame dwelling.  
Owner—Chas. Bailey, Fresno.  
Architect—None.  
Contractor—G. H. Walley, 135 Diana  
St., Fresno.  
COST, \$2900

## WAREHOUSE

LOTS 5 AND 6 BLK 55, Fresno. Ware-  
house.  
Owner—E. F. Kerr, 3760 Washington  
St., Fresno.  
Architect—None.  
Contractor—M. C. R. Nelsen, 1247 "I"  
St., Fresno.  
COST, \$4000

## FRAME DWELLINGS

LOT 1 BLK 23 and Lot 4 Blk 6, Hazel-  
wood. Two frame dwellings.  
Owner—Ewing, McDonald & Meux,  
Inc., 1929 Fresno St., Fresno.  
Architect—None.  
Day's work. COST, \$3000 each

## FRAME DWELLING

LOT 11 S ½ Lot 10 Blk 2, Hazelton.  
Frame dwelling.  
Owner—A. E. Berry.  
Architect—None.  
Day's work. COST, \$2000

## PRINTING PLANT

LOTS 1 TO 6 BLK 96, Fresno. All  
work for brick printing plant build-  
ing.

Owner—Fresno Republican Publishing  
Co., Republican Bldg., Fresno.  
Architect—Glass & Butler, Cory Bldg.,  
Fresno.

Contractor—R. Pedersen Co., 446 Clark  
St., Fresno.

Filed Nov. 18, '19. Dated Nov. 6, '19.  
On 1st and 15th of each month 75%  
TOTAL COST, \$41,231  
Bond, \$20,640. Sureties, Geo. Larsen  
and Andrew Iverson. Limit, 90 days.  
Forfeit, none. Plans only filed.

## FRAME DWELLING

LOTS 31 AND 32 BLK 12, Fresno.  
Frame dwelling.  
Owner—H. Folmer, Fresno.  
Architect—None.  
Contractor—A. Luther, Fresno.  
COST, \$5000

## FRAME DWELLING

LOT 9, Earlhurst. Frame dwelling.  
Owner—T. J. Burke, Fresno.  
Architect—None.  
Contractor—J. F. Harwood, Fresno.  
COST, \$4500

## FRAME DWELLING

LOTS 15 AND 16 BLK 12, College Addi-  
tion, Fresno. Frame dwelling and  
garage.  
Owner—H. H. Holland, 2048 Mariposa  
St., Fresno.  
Architect—None.  
Contractor—G. C. Cannon, 1005 Butler  
St., Fresno.  
COST, \$4000

## DWELLING

LOT 36 Maple Park, Fresno. Frame  
dwelling and garage.  
Owner—J. W. Wyatt, Fresno.  
Architect—None.  
Contractor—Van Wagner & Hollister,  
1926 "I" St., Fresno.  
COST, \$3000

## FRAME DWELLING

LOT 1 BLK 12, Dean Park, Fresno.  
Frame dwelling.  
Owner—J. B. Repsher, Fresno.  
Architect—None.  
Day's work. COST, \$1200

## FRAME DWELLING

LOTS 8 AND 9 BLK 9, College Addi-  
tion, Fresno. Frame dwelling.

Owner—L. G. Whittier, Fresno.

Architect—None.  
Day's work. COST, \$5000

## FRAME DWELLING

LOTS 44 AND 45 BLK 4, Belridge Park,  
Fresno. Frame dwelling.  
Owner—Cutting & Parker, Fresno.  
Architect—None.  
Day's work. COST, \$3200

## FRAME DWELLING

LOTS 9 AND 10 BLK 8, Wilson North  
Fresno Tract, Fresno. Frame dwlg.  
Owner—Lee Blasingame, Fresno.  
Architect—None.  
Contractor—Shorb & Neads, 127 Fresno  
Ave., Fresno.  
COST, \$15,000

## MACHINE SHOP

LOTS 35 TO 39 BLK 4, Windsor Ter-  
race, Fresno. Machine shop.  
Owner—Lisenby Mfg. Co., Kern St.,  
Cor. Angus, Fresno.  
Architect—None.  
Contractor—Trehwhitt & Shields Co.,  
Rowell Bldg., Fresno.  
COST, \$15,000

## DWELLING

LOT 8 BLK 1, Mt. Olive, Fresno. Frame  
dwelling.  
Owner—Jas. Camarota, 1645 "E" St.,  
Fresno.  
Architect—None.  
Day's work. COST, \$3600

## FRAME DWELLING

LOTS 18 AND 19 BLK 5, Van Ness  
Heights, Fresno. Frame dwelling.  
Owner—Guy Stockton, 1301 "I" St.,  
Fresno.  
Architect—None.  
Contractor—J. C. Pursel, Fresno.  
COST, \$3260

## DWELLING

LOTS 15 AND 16 BLK 7, Boone Tract,  
Fresno. Frame dwelling and garage  
Owner—W. A. Boughton, Fresno.  
Architect—None.  
Contractor—Yarnell & Garges, 1206 S-  
4th St., Fresno.  
COST, \$3500

## COMPLETION NOTICES.

## Fresno County.

Recorded Nov. 13, 1919—LOTS 6 AND 7 BLK 11,  
Fresno Heights No. 2, Fresno. C E  
Ergdon to whom it may concern  
Nov. 12, 1919

## BUILDING CONTRACTS.

## San Joaquin County.

RESIDENCE  
LAKE PARK, Stockton. Frame resi-  
dence and garage.  
Owner—T. E. Williams, Stockton.  
Architect—None.  
Day's work. COST, \$4500

## DWELLING

WEST ROSE ST., bet. Orange St. and  
Pershing Drive, Stockton. Frame  
dwelling.  
Owner—H. T. Marshall, Stockton.  
Architect—None.  
Day's work. COST, \$4000

## VAULT

S HUNTER ST., bet. Main and Market  
Sts., Stockton. Vault.  
Owner—A. M. Noble, Premises.  
Architect—None.  
Day's work. COST, \$1500

Continued from page 4

water carriers cannot agree upon through routes and joint rates and proportional rates upon traffic to be carried entirely by water, either of such connecting water lines may make application to the Interstate Commerce Commission to establish same, whereupon the commission is hereby authorized and directed to establish such interchange of traffic between such connecting water lines upon the same terms as apply to interchange of traffic between rail lines and water lines in so far as the same may be applicable thereto.

The absorption by a water carrier of the switching, terminal, litzage, car rental, trackage, handling, or other charge of a rail carrier for services within the switching, drayage, lighterage, or corporate limits of a port terminal or district out of its port to port water rates, shall not be held to constitute an arrangement for a continuous carriage or shipment within the meaning of the Act to regulate commerce, and shall not subject such water carrier to the provisions of such Act.

The Interstate Commerce Commission shall have no jurisdiction over port to port rates by water, except in so far as may be necessary in effecting interchange of traffic between rail lines and water lines or between connecting water lines where they fail to agree upon through routes and joint and proportional rates.

Section 3 of the Commerce Act is further amended by adding at the end thereof the following paragraph:

"It shall be the duty of the Department of Commerce, through its Bureau of Foreign and Domestic Commerce and any other bureaus of the department, with the object of promoting, encouraging, and developing water transportation facilities in connection with the commerce of the United States; to investigate the appropriate types of boats suitable for different classes of waterways; to investigate the subject of water terminals, both for water traffic and for through traffic by water and rail, including the necessary docks, warehouses, apparatus, equipment, and appliances in connection therewith, and also railroad spurs and switches connecting with such terminals, with a view to devising the types most appropriate for different locations, and for the more expeditious and economical transfer or interchange of passengers or property between carriers by water and carries by rail; to advise with communities, cities, and towns regarding the appropriate location of such terminals, and to co-oper-

ate with them in the preparation of plans for suitable terminal facilities; to investigate the existing status of water transportation upon the different waterways of the country, with a view to determining whether such waterways are being utilized to the extent of their capacity and to what extent they are meeting the demands of traffic and whether the water carriers utilizing such waterways are interchanging traffic with the railroads; to co-operate with communities, cities, and towns and established lines of water transportation in obtaining joint and proportional through rates on traffic carried partly by water and partly by rail, and to investigate any other matter that may tend to promote and encourage water transportation. It shall also be the province and duty of said bureau, under the direction of the Secretary of Commerce, to compile, publish, and supply, from time to time, such useful statistics, data, and information concerning transportation by water as may be of value to the commercial interests of the country. The Secretary of Commerce shall include in his annual report to Congress a statement of the activities of his department in the execution of the duties imposed upon it by this paragraph, together with such recommendations as he may care to make for the regulation and improvement of water-transportation facilities. For the performance of the duties herein imposed, the Secretary of Commerce is authorized to appoint such number of experts, draftsmen, engineers, special agents, and clerks as may be necessary for service in the District of Columbia and elsewhere.

#### NEW BOOKS.

Urbana, Ill., Oct. 10, 1919.

The selection of the type of meter to be employed in measuring the flow of water through a pipe line should be based upon the consideration of the difficulties of installation, permanency of operation, accuracy of measurement, and the cost of installation and maintenance. Tests to determine the practicability of employing thin-plate orifices in pipe lines, and the conditions most favorable for their use as measuring devices, have been completed by the Engineering Experiment Station of the University of Illinois under the direction of R. E. Davis, Associate in Civil Engineering, and H. H. Jordan, Assistant Professor in General Engineering Drawing.

The tests were conducted with three sets of orifices of eight different diameters per set cut in 3-16-inch steel plates. Data were obtained from 4-

inch, 6-inch, and 12-inch pipe systems respectively. The results of these tests are given in detail in Bulletin No. 109 entitled, "The Orifice as a Means of Measuring Flow of Water through a Pipe."

Copies of Bulletin No. 109 may be had without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

Urbana, Ill., Oct. 10, 1919.

Tests to determine the resistance of passenger trains at all speeds up to seventy miles per hour, and for average car weights have been completed by the Railway Department of the Engineering Experiment Station of the University of Illinois. Of the 240 cars composing the 28 trains tested, 178 had six-wheel trucks, and 62 had four-wheel trucks. The tests were made on the lines of Illinois Central Railroad by Professor E. C. Schmidt and H. H. Dunn upon well constructed and well maintained main line track laid almost entirely with 85-pound or 90-pound rail and ballasted with broken stone.

From the results, which are given in Bulletin No. 110 of the Engineering Experiment Station, a table has been prepared showing the probable average value of resistance for passenger trains composed of cars weighing from thirty to seventy tons and operating at speeds ranging from five to seventy-five miles per hour.

Copies of Bulletin No. 110 may be had without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

#### BIDS OPENED FOR HIGHWAY IMPROVEMENT.

PHOENIX, ARIZ.—Webster Co. submitted the lowest bid at \$78,341.36 on contract No. 1 and at \$57,296.43 on contract No. 2 for constructing portions of the Clifton-Franklin highway in Greenlee County, bids opened November 3 at Clifton. Apache Co. submitted a bid at \$66,527.51 on contract No. 2, but no bid on contract No. 1. Cotey-Black Co. bid \$80,153.42 on contract No. 1 and \$67,087.99 on contract No. 2. The work involves 63,000 cu. yds. grading, 3900 cu. yds. concrete paving and 83,000 lbs. reinforcing steel. The state furnishes cement. For furnishing cement on the job f. o b. Franklin or Clifton the following bids were received: (Duncan Lumber Co.) Southwestern Portland Cement Co., \$3.114 bbl. net; Riverside Portland Cement Co. and California Portland Cement Co., each \$3.15 net; San Antonio Portland Cement Co., \$3.46 net. Thomas Maddock State Engineer.

Telephone Douglas 5114

## Valley Tie & Lumber Co.

Manufacturers and Wholesalers

### Pacific Coast Lumber Products

General Office: Eugene, Oregon

S.F. Office: 401 Balboa Bldg.

F. S. NOLAND, Resident Manager

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron

# work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock  
Doors, Sash Frames and Mouldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BEECH  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPE  
OREGON MAPLE-PLAIN OAK  
QUARTERED OAK  
WYBROCK BENDING OAK  
DOLLAR-WALNUT



BOXWOOD-EBONY-KUMBAK  
JENISERO-KOA-SPANISH CEDAR  
LIGNUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SPOTTED GUM-CHOCASMAN WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBROCK VENEERED PANELS  
DOWELS-TRERNAILS-VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUIT Abstract & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

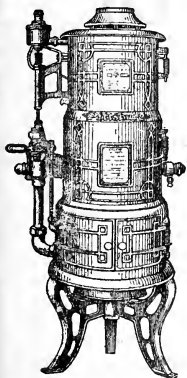
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., December 3, 1919

Published Every Wednesday  
Nineteenth Year, No. 49



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

**The Most Powerful Made  
Safe and Economical**

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze Will not exude

Will not give off noxious gases

No thawing

No leaking

No headaches

**California Trojan Powder Company**

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

**Frank J. Klimm  
PLUMBER**

**221 Oak Street**

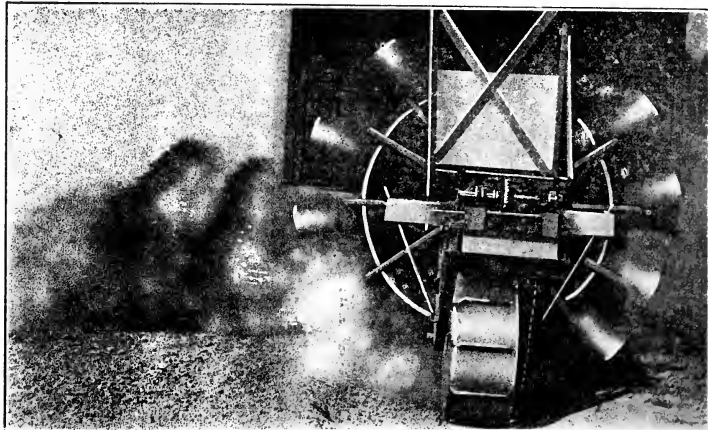
Bet. Gough and Octavia

San Francisco

## DRAIN DITCHES

MACHINE  
in  
Action  
cutting  
drainage  
ditch  
without  
embankment

Leaving land free  
to be cultivated up  
to edge of drain  
ditch. Capacity of  
Machine will depend  
largely on charact-  
er of soil, but under  
ordinary  
circumstances  
it will handle  
from 200 to 300  
cubic yards  
per hour



HARTSOUGH ROTARY DITCHER

For Full Particulars Address

# Volute Ditching Machine Co.

404 Wells Fargo Express Bldg.

SAN FRANCISCO, CAL.

## IRRIGATION DITCHES.

Machine will cut  
an irrigation ditch  
to a true hydraulic  
form and by the  
simple application  
of a striking board  
is enabled to deposit  
the excavated mate-  
rial on the bank at  
the edge of the cut  
or leave as much of  
a berm as is desired.  
Wide ditches as well  
as narrow ones can  
be cut economically  
with this machine.

## ROAD CONSTRUCTION

Machine can be  
used by the Road  
Contractor in many  
different instances,  
as its ability to kick  
a lot of dirt out of  
the way in a short  
time will make it in-  
valuable where cuts  
must be disposed of  
over the road side,  
whether this be up  
or down; it should  
also prove a great  
money saver on road  
drainage ditches.

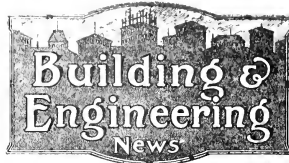
## OPERATING COSTS

Machine uses Gas  
or Kerosene for fuel  
and requires about  
2½ gallons per hour.  
Cost of Lubricating  
Oils is about half of  
the fuel cost. Two  
men can operate the  
Machine, one must  
be a gas engine man  
and the other a  
laborer, and Machine  
can be operated as  
well at night as in  
daylight.

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
500 Mission Street.  
Telephone—Douglas 3272.

J. P. FARRELL..... Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEAD-QUARTERS.

### Statement of the American Association of Engineers on Trade-Unionism in the Profession.

(Note: This statement was prepared by the executive committee of the American Association and is subscribed to by those members of the board of directors and past officers of the Association whose names are appended hereto.)

#### Reason for Statement.

In the present state of industrial unrest, the Board of Directors of the American Association of Engineers considers it desirable to make a statement defining the position of the Association.

#### Responsibility.

The American Association of Engineers is an incorporated organization responsible for its acts.

#### Economic Position of the Engineer.

The engineer is the medium through which both capital and labor are used in production and in industrial development. The aim of the profession is to advance civilization and render the highest service to society. Except when their acts further this aim, it is an advocate of neither capital nor labor.

#### Increased Production.

Production should be increased—not limited. The profession cannot support strikes or lockouts or any other methods that may benefit any class at the expense of the nation as a whole. They are unsound and must inevitably lead to economic disaster. The law for supply and demand for men or material must ultimately prevail. Attempts may be made to limit the supply of either, but looking toward the upbuilding of civilization we believe rather in increasing the demand through the promotion of legitimate enterprises.

#### Reward According to Merit.

Rewards should be according to ability, initiative and constructive effort. Men are not equal in these respects. Each man should be encouraged to do his utmost and be given compensation according to ability and will to increase production and to achieve large results.

#### Methods.

The engineer, as an educated professional man, believes in basing his claims for proper and just reward for his services upon the justice of the

facts presented, upon enlightenment of public opinion, upon loyalty between employer and employe, and upon the underlying fundamental desire of the great majority, to do what is fair and right when the merits of the case in question are clearly presented and demonstrated. We believe in organized representation for the correction of wrong, the advancement of the profession and service to the public, but are opposed to methods inconsistent with the dignity of the profession and which would lessen public confidence.

#### Conclusion.

The American Association of Engineers, through its Board of Directors, who have signed this statement, recognizing the many fundamental differences between the principles and objectives of the trade union and of an organization of professional men, expresses the opinion that an engineer cannot subscribe to the tenets of both. Dr. F. H. Newell, President, Head of Department of Civil Engineering, University of Illinois.

W. W. DeBerard, Vice-President; Western Editor, Engineering News-Record, Chicago.

T. A. Evans, Second Vice-President, Assistant Engineer, Jacobson & Schraeder, Chicago.

R. Burnham, Director; Consulting Engineer, Chicago.

W. W. K. Sparrow, Director; Chief Engineer, C. M. & St. P. Ry., Chicago. Harold Albert, Director; Consulting Engineer, Chicago.

J. H. Hatch, Director; Consulting Engineer, Chicago.

F. K. Bennett, Director; Principal Assistant Engineer, M. & St. L. Ry., Minneapolis.

H. W. Clausen, Past First Vice-President; General Office Manager, C. D. Osborne Company, Chicago.

C. A. Soans, Past First Vice-President; Patent Attorney, Chicago.

W. D. Wilcox, Past President.

L. K. Sherman, Past Vice-President; U. S. Housing Corporation, Washington, D. C.

Isham Randolph, Past Vice-President; Consulting Engineer, Chicago.

Alexander Potter, Director; Civil Engineer, New York.

E. F. Collins, Director; Valuation Engineer, St. L.-S. F. Ry., St. Louis.

C. H. Crawford, Director; Manager Baldwin Locomotive Works.

John Ericson, Treasurer; Consulting Engineer, Department of Public Works, Chicago.

C. E. Drayer, Secretary.

## FORTNIGHTLY ENGINEERING SERVICE REVIEW.

The present demand for engineering services causes the Service Department of the American Association of Engineers to strongly recommend that civil engineers requiring positions, acquire an adequate knowledge of structural, map, or topographic drafting. This class of draftsman is in demand. Every professional engineer who is out of employment becomes an economic loss. The Service Department is receiving calls for draftsmen who can do rapid lettering, (technical technical knowledge not essential), paying \$200 a month. By taking a position of this kind, draftsmen will be able to take themselves over until a permanent position opens.

The present call is mostly for draftsmen and designers. Electrical, mechanical, and structural draftsmen are wanted at Panama at a salary of \$200 per month and up. Transportation from New York or New Orleans to the Isthmus is free. Salary begins on day of sailing. Free bachelor quarters are furnished and meals cost only 40c each at Government hotels. Yearly leave up to sixty-one days with pay is granted. Further information may be obtained from the Service Department.

The American Association of Engineers announces that effective with the January number its official publication, The Monad, will be published under the name of "Professional Engineer." At the same time the change in name is made the publication will be increased in size to a 9x12 page. The magazine will remain a monthly.

The Cleveland Chapter of the American Association of Engineers will hold a mass meeting of the professional engineers, architects and chemists in Cleveland on December 4th at 8 p. m., at the Hotel Statler. A program of special interest to all engineers and allied professional men is planned. Speakers will tell of the history of the American Association of Engineers and will outline its present and proposed activities.

MODESTO, Stanislaus Co., Cal.—The Supervisors have awarded a contract to the Cotton MacCauley Co., 16 California St., San Francisco, for the construction of a reinforced concrete bridge over the main canal of the Turlock Irrigation District one mile east of Denair, at \$4,532.

## HIGHWAY MAINTENANCE. VI.

By G. M. N.

### OBSERVATIONS OF STATE AND COUNTY HIGHWAYS, RIVERSIDE TO OAKLAND VIA COAST ROAD.

October, 1919.

Types: U. C.—Unsurfaced Concrete. O. M.—Oiled Macadam.  
P. C.—Protected Concrete. W. B. M.—Water Bound Macadam.  
W. B.—Warrenite Bitulithic. Bitu.—Natural Bitumen.

Miles	Construction	Age	Condition	Traffic	Remarks
00.0	O. M.	Fair		70	Riverside
44.0	O. M.	6 Very bad		90	Part of 1st L. A. Co work. El Monte.
44.5	U. C.	Fair		90	Replacing old macadam.
45.0	O. M.	6 Being reconstructed		90	
50.0					
60.0					
70.0					Los Angeles.
80.0					
82.1					
90.0					
95.0	Topeka	6 O. K.	Some cracks.	80	Sherman Way.
100.0	Asph. Conc.	6	Rough	50	Five miles poor.
107.0	Asph Conc	6	Fair condition	50	Owensmouth.
110.0	P. C.	6	Badly broken	60	State Highway.
113.0	P. C.	6	Poor—repaired.	60	Calabasas.
118.0	P. C.	6	Poor—repaired.	60	Camp; permanent. State Highway maintenance.
121.0	P. C.	6	Badly shattered.	60	
123.0	P. C.	6	Bad shape.	60	Ventura County line.
128.0	P. C.	5	Rough but not broken		Corucho Ranch.
130.0	P. C.	5	Fair.		Has been repaired.
131.0	P. C.	5	Very badly broken	60	State Highway.
135.0	P. C.	5	Peeling badly.		State Highway.
140.0	P. C.	5	Peeling badly.		State Highway.
142.0	U. C.	5	Cracked longitudinally		
144.0	U. C.		O. K.		
146.0	Asph. Surf.		O. K.	70	Oxnard.
148.0			O. K.	70	Mantabell.
151.0	Asph. Conc.		O. K.		
153.0			O. K.	70	Ventura.
170.0	Bitumen		Poor.		Getting rough and crack'g.
172.0	"		Fair		Appears to be base only.
173.0	"		Fair		Two-course work.
174.0	"		Fair		Base only.
178.0	"		Good condition	70	Montecito
179.7	P. C.		Good condition		
180.0	Bitumen		Fine condition	70	One-course wrk apparently
192.0	"		Fine condition		One-course wrk apparently
193.0	"		Patched		
196.0	P. C.		Badly broken	70	Surface good ex for breaks
197.0	P. C.		Good condition		Looks new
198.0	P. C.		Some patches&cracks		
206.0	Dirt road		Fair		
208.0	" "		Fair	60	Refugio Pass
208.4	U. C.		Good		
212.0	Dirt		Poor		
212.2	U. C.		Cracked & repaired	60	Surface in good riding condition
220.0	U. C.	2	Good		Las Cruces
220.6	Graded		Poor		
235.5	U. C.	2	Good	60	New State Highway
244.2				50	Los Alimos.
244.4	P. C.	5	O. K.		
255.0	U. C.		Under construction		Detours, rough, dusty.
259.0	P. C.		O. K.	50	P. C. begins here. Casamalia
265.0	O. M.		Good	60	Santa Maria.
267.0	O. M.		Poor		
268.0	Bridge		Poor		
269.0				60	Santa Maria River.
269.5	U. C.		O. K.		San Luis Obispo Co. line.
270.0	Dirt road		Rough		Unpaved and fill.
282.0	U. C.		New Good		
286.0	Dirt road				
286.5	U. C.	3	Good	60	Unpaved and fill.
287.0	U. C.		Shattered		Pismo.
291.0	O. M.		Fair condition		San Luis Hot Springs.
291.5	P. C.		O. K.		
294.0	O. M.		Fair		
295.5	P. C.		Fair		
297.0	U. C.		Good	60	San Luis Obispo.
297.5	P. C.		Surface peeling		
299.5	Bitumen		Very poor, rough	60	San Luis Obispo
303.0	U. C.	5	O. K.		
309.6	Oiled gravel		Fair		
310.0	" "		Poor		
310.5	P. C.	5	O. K.	60	Santa Margurita.
317.0	P. C.		O. K.		Atcasadero.

## AMERICAN LUMBER WANTED IN ITALY.

[Trade Commissioner H. C. MacLean, Rome, Aug. 20, 1919.]

It is stated by one who is well informed as to the lumber trade of Italy, and who gave Trade Commissioner Nelson C. Brown considerable information during his investigation here last year, that the Italian market is practically bare of lumber at the present time and that pitch pine especially is in demand. Efforts have been made by Italian dealers to supply their needs from Austria, which previous to the war furnished the bulk of the lumber imported into Italy, but it has been found impossible to obtain shipments of any large quantities. It appears that Austrian competition need not be feared for some time to come and that the time is ripe for American firms to enter the market.

## CATALOGUES WANTED FOR BRICK-MAKING AND KNITTING MACHINERY.

The consul general of a foreign country, located in San Francisco, wishes to secure catalogues of machinery for making bricks and also machines for making all kinds of knit goods. These catalogues may be sent in care of the District Office of the Bureau of Foreign and Domestic Commerce, 307 Customhouse, San Francisco, Calif.

## HOUSING CONDITIONS.

After trying in vain for months to get a house, Brown sent out one day with a find-a-house-or-die look on his face. He wandered about all day till at last his steps led him to the river. "Ah!" he said, in utter despair, "how tempting it looks!" He was almost inclined to plunge in and end it all.

All of a sudden he heard a splash and looking around he saw his friend Green struggling in the water. Without attempting to save him he rushed off to the local house agent.

"Quick!" he gasped, "Green has fallen into the river. Can I have his house?"

"Sorry," said the house agent, "I've him in." Exchange.

## OH! DEATH, WHERE IS THY STING!

ZION CITY, Ill.—From a platform already let it to the man who pushed six feet high, 138,997 bottles of 2½ per cent beer were emptied into a specially built trough that ran to an open sewer. Mayor W. H. Clendin poured the first bottle and Chief of Police Theodore Becker and his aides finished the operation. The empty bottles were sold to a junk dealer for \$2,148.

The beer was ordered destroyed by Judge Claire C. Edwards after it had been confiscated when seized from smugglers from Wisconsin. The money from the sale of the bottles, it was announced, will be used to defray court expenses.

## RECOMMENDS COUNTY PURCHASING AGENT.

MARYSVILLE, Yuba Co., Cal.—The County Grand Jury has recommended the appointment of a County Purchasing Agent. The matter of appointing an agent will be taken up at the next meeting of the County Supervisors.

339.0	Gravel	Very bad	70	Paso Robles. Streets rough dusty.
332.0	P. C.	Good		State Highway.
337.0	P. C.	Good		Cattle county.
339.0	P. C.	5 Cracks, etc.	70	San Miguel.
342.0	P. C.	Cracked every 10 ft.		Gravelly soil.
350.0	P. C.	Fine condition		Detour, very rough and dusty.
355.0	Dirt	Under construction		End of detour.
360.0	U. C.	Badly cracked		Salinas River bridge.
361.6	Gravel	Bad fill		San Ardo.
361.0	U. C.	Under construction	60	Patched about every 10 ft.
365.0	U. C.	O. K.		Concrete, poor picking out.
365.6	U. C.	1 Poor		Cracked every 5 ft.
369.0	U. C.	Half mile poor		
372.0	U. C.	Surface fair		
375.0	U. C.	"		
379.0	Dirt road	Rough	65	King City.
384.0	U. C.	1 Good		
386.0	U. C.	4 Good		
397.0	U. C.	4 First class	60	Greenfield.
404.0	U. C.	4 First class	60	Soledad.
414.0	U. C.	4 First class	60	Gonzales.
419.0	U. C.	4 Good	50	Chualar.
420.0	P. C.	4 Good	50	Recently surfaced.
422.0	P. C.	4 Rough		
429.0	O. M.		80	Salinas
430.0	O. M.	Good		
456.0	O. M.	Good	70	Monterey.
475.0	O. M.	Good	80	Salinas.
471.0	U. C.	1 Good, new	80	City work.
476.6	O. M.	Rough		
478.0	P. C.	O. K.		
481.7	U. C.	Fair surface	75	Cracks every 20 ft. and broken corners.
487.0	U. C.	Good		
492.0	P. C.	4 O. K.	80	San Juan.
494.0	P. C.	Extensively repaired		About 5% defective
496.0	P. C.	Bad		Going to pieces at edges.
498.5	P. C.	5 Fair	80	Sargent.
503.0	P. C.	Patched about 200-ft intervals		Conc. pounding to pieces under surface coat.
504.0	Asph. surf.	5 Good		
510.0	P. C.	Fair		
514.0	O. M.	5 Fair	85	Repaired
516.0	P. C.	5 Rough		Morgan Hill.
521.0	P. C.	New repairs 10%		Madrone.
523.0	P. C.	Repaired; fair		State Highway. Road 20% destroyed, broken edges.
520.0	Topect	Rough		Road widened to 24 ft.
532.0	Asph. surf.	Good	85	2nd St., San Jose.
537.0	Topecta	3 Loosening & breaking		Santa Clara Co. work.
540.0	P. C.	5 Fair	90	Milpitas; has been resurf.
540.5	U. C.	1/2 New; good condition		
540.9	P. C.	3 Ban condition		
541.5	U. C.	newCracked		
543.0	U. C.	newCracked 15' intervals		Badly cracked all over.
544.4	U. C.	1 Cracked in 10' blocks		This pavement about 6 months old.
554.5	U. C.	4 Surface peeling		Niles.
559.0	P. C.	4 Poor condition		
562.0	P. C.	4 Poor condition		Very rough.
561.6	P. C.	Poor; 20% repairs		Going to pieces; life about 3 years.
567.0			80	Haywards.
577.0			100	Oakland.

Heavy haul traffic via coast road probably is only 50 to 60% of that in the San Joaquin Valley, while foundation conditions are generally better, except for bad adobe stretches. Out of 78 observations of concrete roads 33 show the condition to be bad, and that a considerable mileage will have to be extensively repaired or reconstructed in the next few years. It seems probable that with the normal increase in traffic which may be expected, the rate of deterioration will be somewhat more rapid in the future than in the past.

#### HIGH BUSINESS IN SACRAMENTO FOR BUILDING INTERESTS.

SACRAMENTO, Cal.—Next year is going to set a record in Sacramento for building activities, according to A. W. Norris, president of the Builders' Exchange, who declared the outlook never was brighter despite the fact that prices of labor and material is high. It was pointed out that investors

and builders are beginning to realize that the time of high prices is here to stay for many years at least and that nothing will be gained by delaying operations. Norris says there will be more building going on in Sacramento this winter than during any previous winter since the city was a village. There will be a demand for all classes of mechanics.

#### COMPLETE BUILDING PLANS FOR MAYENCE.

MAYENCE.—Apartment houses, private homes and in some instances factories and other institutions of a commercial nature are planned for the future on the ground in and near Mayence, occupied at present by old German fortifications. The task of dismantling and destroying the twelve forts in the vicinity of Mayence began several weeks ago, the work being done by Germans under supervision of the French army of occupation. The work will require a year or more.

#### BUSINESS OPPORTUNITIES.

J. Barnes, 436 Pittcock Block, Portland, Ore., desires to get in touch with lumber firms having connections in South American countries.

O. M. Sherburne, R. 5, Box 62, Watsonville, Cal., is in the market for a machine for sawing shakes.

Hess Furnace Mfg. Co., 117 Argyle St., Portland, Ore., is in the market for 2x5x7 1/4 fire brick curved to make 24 inch circle.

#### CONSTRUCTION OF PARR TERMINAL WELL UNDERWAY.

SAN FRANCISCO.—Construction on the Parr Terminal Company's terminal on the Oakland Waterfront known as Key Route Basin is well underway. The 5000-foot wharf for which the Healy Tibbitts Construction Company were the contractors is now complete, three miles of terminal tracks have also been completed.

Construction has been started by Contractor R. W. Littlefield of Oakland on the cargo shed.

#### ZELLERBACH-LEVISON LEASES STRUCTURE IN RICHMOND DISTRICT.

Zellerbach-Levison, 1540 California street, have leased the structure at the northwest corner of Arguello Boulevard and Geary street to Larkins & Co., 1610 Van Ness avenue, who have taken over 34,000 square feet on the second floor and 10,000 feet on the ground floor which will be used for auto painting and body building.

Plans for the alteration work now under way, were prepared by Architect S. Helman, 57 Post street.

#### SAN FRANCISCO WINS BEAUX ARTS PRIZE.

The first prize in the annual competition of the Beaux Arts Society of New York has been won for the first time by a San Franciscan. Ernest Weihe, head draughtsman for Bakewell & Brown. Many of the leading architectural draughtsmen in the United States Participated in the competition and six were selected from the preliminary contest.

The winner, a son of G. A. Weihe of 158 Clement street, this city, was born at Wizard, Yolo county, and started work as a draughtsman a year after the fire of 1906 at the age of 14.

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill.	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago	TREASURER
C. E. DRAYER	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng., Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry. Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co.	THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles.....W. P. R. R.
F. Johnston.....Union Const. Co.
L. D. Howland.....C. C. Moore Co.
I. G. Grundel.....Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown.....S. P. R. R.
E. B. Crane.....C. M. & P. S. Ry.
P. J. Rowell.....I. C. C.

### COMPENSATION COMMITTEE

G. M. Nelson.....Consulting Eng.
E. V. Vandercook.....S. P. R. R.
W. T. Cleland.....
Chief Dep. Sur. Santa Clara Co.
V. D. Cousins.....P. T. & T. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp.....S. P. R. R.
EMPLOYMENT REPRESENTATIVE

### MEMBERSHIP COMMITTEE

F. J. Amweg.....Consulting Eng.
D. L. Reynolds.....Pac. Fruit Ex. Co.
J. Amweg.....Consulting Eng.
W. H. Rupp.....S. P. R. R.
E. D. Brown.....Redwood Mfrs. Co.
Clarence D. Stone.....S. P. Co.
A. B. Hartley.....S. P. Co.
H. W. Shrieber.....City of Oakland.
F. E. Geibel.....S. P. Co.
C. E. Newberry.....Inter. Com. Con.
J. F. Johnston.....Union Const. Co.
E. V. Vandercook.....S. P. Co.

### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....S. P. Co.
O. R. West.....A. T. & S. F. Co.
W. S. Wellner.....N. W. P. Co.

### QUALIFICATION COMMITTEE

W. H. Phelps.....S. P. Co.
O. R. West.....A. T. & S. F. Co.

### PUBLICITY COMMITTEE

E. D. Brown.....Redwood Mfrs. Co.
G. M. Nelson.....Consulting Eng.

### POLITICAL COMMITTEE

E. H. Herbert.....Oliver Mfg. Co.
-----------------------------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHAPTERS & CLUBS:

### SACRAMENTO CHAPTER

Lathrop, H. A.....Secretary
1321 Thirty-third St.,
Sacramento - California

### LOS ANGELES CHAPTER

Harris, A. L.....Secretary
1104 Central Building
Los Angeles - California

### PORTLAND CHAPTER

Barnes, R. W.....Sec. & Treas.
35 Union Station
Portland - Oregon

### FRESNO CHAPTER

Jean L. Vincenz.....Secretary
P. O. Box 922
Fresno - California

### SAN DIEGO CHAPTER

Grumm, Fred.....Secretary
2898 Spruce Street
San Diego - California

### SAN BERNARDINO CLUB

Woods, M. A.....Secretary
608 Tenth Street
San Bernardino - California

### EUREKA CLUB

Howard, F. W.....Secretary
Eureka - California

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

Plans Being Prepared.  
**APARTMENTS** Cost, \$80,000  
**SAN FRANCISCO.**  
 Five-story reinforced concrete apart-  
 ments (26 apts).  
 Owner—Withheld.  
 Architect—Maxwell G. Bugbee, 619  
 Washington St., San Francisco.

Figures to be Taken in About Three  
 Weeks.

**APARTMENTS** Cost, \$300,000 or more  
**SAN FRANCISCO.** NW Hyde and Fill-  
 bert, 137-6x137-6.

Six to eight-story Class "A" reinforced  
 concrete community apartment  
 house (10 apts. of 8 rooms each).

Owner—W. B. Gray.  
 Architect—T. Patterson Ross, 310 Cali-  
 fornia St., San Francisco.

Preliminary Plans Being Prepared.  
**APARTMENTS** Cost, \$30,000

**SAN FRANCISCO.** Jordan Park.  
 Three-story and basement frame  
 apartments (6 5-room apts., garage  
 in basement).

Owner—Withheld.  
 Architect—E. E. Young, 251 Kearny  
 St., San Francisco.

Plans Prepared. To be Done by Day  
 Labor.

**ALTERATIONS** Cost, \$—  
**MADERA, Madera Co., Cal.** Yosemite  
 Avenue and "B" Street.

Alter half building into four 2-room  
 apartments and bath.

Owner—Walter Brown, Madera.  
 Architect—Not Given.

### BANKS

Contract Awarded.  
**BANK** Cost, \$20,000

**KNIGHTS LANDING, Yolo Co., Cal.**  
 Fireproof bank.

Owner—First National and Home Sav-  
 ings Bank of Knights Landing.  
 Architect—W. H. Weeks, 75 Post St.,  
 San Francisco.

Contractor—W. R. Fair.

Plans Being Prepared.

**BANK** Cost, \$40,000  
**SEATTLE, Wash.** NW Rainier Ave.  
 near Ferdinand.

One-story heavy stone bank (71x34).  
 Owner—Rainier Valley State Bank.  
 Architect—V. W. Voorhees, Eitel Bldg.,  
 Seattle, Wash.

Plans Being Figured.

**BANK FITTINGS** Cost, \$30,000  
**REEDLEY, Fresno Co., Cal.**

Bank fittings (marble, bronze, cabinet,  
 grill work, etc.)

Owner—Reedley National Bank.  
 Architect—M. G. West Co., 365 Market  
 St., San Francisco.

Plans Being Prepared.

**ALTERATIONS** Cost, \$—  
**WENATCHEE, Wash.**

Alterations for banking rooms; new  
 vaults, grill work, etc.

Owner—Wenatchee Valley Bank.  
 Architects—Doyle & Merriam, Seattle  
 National Bank Bldg., Seattle.

**PLACERVILLE, El Dorado Co., Cal.**  
 Construction on the modern fireproof  
 bank building for the A. Merson Bank-  
 ing Co. of this city, will not be started  
 until next spring, according to Guy E.  
 Wentworth, Cashier.

Preliminary plans for the structure  
 have been prepared by Hudnut &  
 Hemmings, 1203 "J" St., Sacramento.

A building covering a ground area of  
 35 by 40 feet, one-story in height, is  
 planned. Geo. W. Peltier is President  
 of the bank and N. Fox, Vice President.

**EL CENTRO, Imperial Co., Cal.**  
 Crowley & Sherer, Pacific Electric  
 Bldg., Los Angeles, have the contract  
 to raise about 15 miles of the Volcano  
 Lake levee in Lower California for the  
 Imperial Irrigation District. The contract  
 involves about 120,000 cu. yds.  
 earth work and amounts to about \$87,-  
 000. The contractors had equipment in  
 the valley used on a previous contract.

### BONDS

**TRACY, San Joaquin Co., Cal.**—Bonds  
 of \$150,000 have been voted in the  
 West Side Irrigation District to finance  
 the construction of improvements.

**SUSANVILLE, Lassen Co., Cal.**—The  
 Board of Trustees of the Lassen  
 County Union High School District has  
 set December 20th as the date to vote  
 on the question of issuing bonds of \$75,-  
 000 with which to erect an additional  
 school building.

**CHICO, Butte Co., Cal.**—The \$440,000  
 Chico high school bond issue has been  
 sold by the County Supervisors to the  
 Bank of Italy.

Plans for the proposed building have  
 been prepared by Architects Woollett &  
 Lamb, Physicians Bldg., Sacramento.

**BISHOP, Inyo Co., Cal.**—December  
 10th is the date set by the County Su-  
 pervisors, Dan E. Williams, County  
 Clerk, for the purchase of the \$150,-  
 000 bond issue of the Bishop Union  
 High School District. Proceeds of the  
 sale will finance construction of a  
 new high school plans for which have  
 been prepared by Architect W. H.  
 Weeks, 75 Post street, San Francisco.

**PIEDMONT, Alameda Co., Cal.**—The  
 Trustees of the Piedmont High School  
 District are contemplating a bond elec-  
 tion to secure \$250,000 for a new  
 school building.

**FLORENCE, Ariz.**—The \$1,000,000  
 Pinal Co. bond issue was sold to Powell,  
 Gerard & Co., of Chicago, at a prem-  
 ium of \$2,500.

**TUCSON, Ariz.**—Until 10:30 A. M.  
 December 16, bids will be received by  
 the Pima County Supervisors for the

purchase of \$1,500,000 county road  
 bonds.

**YUBA CITY, Sutter Co., Cal.**—The  
 Supervisors have sold the remaining  
 \$730,000 worth of county highway  
 bonds to finance highway construction.

**RED BLUFF, Tehama Co., Cal.**—Ef-  
 forts are being made to secure a com-  
 mittee to go before the City Council  
 and petition that steps be taken for  
 the installation of a modern fire alarm  
 system and the construction of a sewer  
 system.

**WALLA WALLA, Wash.**—The City  
 Commissioners have set December 16th  
 as the date to decide the question of  
 issuing bonds of \$500,000 with which to  
 improve the present water system. The  
 entire program of Engineer E. B. Huse-  
 sey of Seattle, will be put up to the  
 citizens, including a 24,000,000-gallon  
 reservoir, extension on the pipe line  
 to a point in the Wenaha forest re-  
 serve and laying of a new 30-inch pipe  
 line from the reservoir to the city.

**BAKERSFIELD, Kern Co., Cal.**—An  
 election will be held December 11 to  
 vote on issuing \$200,000 bonds for the  
 erection of a domestic science building,  
 machine shop, library building and  
 study hall at the Kern County Union  
 High School in Bakersfield. Additional  
 ground will also be purchased.

**HOLLISTER, San Benito Co., Cal.**—  
 The Parent Teachers' Association is  
 urging the calling of a bond election  
 to secure funds to finance construc-  
 tion of a new school building, the  
 present structure being inadequate.

**TRACY, San Joaquin Co., Cal.**—  
 Bonds of \$34,000 to finance construc-  
 tion of two new grammar schools have  
 been voted. No architects have been  
 selected as yet owing to the fact that  
 the exact locations for the buildings  
 have not been selected.

**SAN LEANDRO, Alameda Co., Cal.**—  
 The question of issuing bonds of ap-  
 proximately \$100,000 to finance munic-  
 ipal improvements will be placed on  
 the April ballot, according to decision  
 reached by the City Trustees at the  
 last meeting.

The issue will be voted upon as fol-  
 lows:

Fire Alarm System	\$14,000
New City Hall	50,000
Purchase of site for City Hall	10,500
Widening of East Fourth St.	10,000
J. J. Gillis City Clerk and H. H. Goodwin, City Engineer.	

**CHEHALIS, Wash.**—December 6th is  
 the date set to vote bonds for the im-  
 provement of the proposed Winlock-  
 Cowlitz Prairie paving project which  
 is estimated to cost \$138,523. The  
 road will be five miles long and 18 feet  
 wide.

November 28, 1919.

**ALTURAS, Modoc Co., Cal.**—Due to alleged irregularities in calling the bond election the bid submitted by a local bank for the entire issue, \$100,000, to finance construction of county highways, has been withdrawn.

**ASTORIA, Ore.**—Municipal improvement bonds totaling \$167,260 have been sold by the City Council.

**LOS ANGELES, Cal.**—Until 2 P. M., November 24, bids will be received by the county supervisors for the purchase of \$546,000 county flood control bonds.

## CHURCHES

Plans Being Prepared.

**CHURCH** Cost, \$35,000  
**LOS ANGELES, Normandie Ave. bet. Sunset and Hollywood Blvds.**  
 Brick church.  
 Owner—East Hollywood Methodist Episcopal Church.  
 Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Plans to be Prepared.

**CHURCH** Cost, \$30,000  
**STOCKTON** San Joaquin Co., Cal.  
 Miner Avenue and Sierra Nevada Street.  
 Church building.  
 Owner—East Side Presbyterian Church  
 Following have been selected to act as a building committee: A. B. Goldsmith, chairman; J. H. Harrison, J. W. Parnell, E. E. Holland and E. L. Ortedahl. Dr. J. E. Dameron is chairman of the finance committee.

## COURTHOUSES

Preliminary Plans Being Prepared.

**FIRE STATION** Cost, \$—  
**SEATTLE, Wash.** Fourth and Battery Streets.  
 Three-story brick fire station (2 wings each 103x103 feet).  
 Owner—City of Seattle.  
 Architect—Daniel Huntington, City Architect, Seattle, Wash.

## FACTORIES & WAREHOUSES

Plans Being Prepared.

**WAREHOUSE** Cost, \$8,000  
**SANTA CLARA, Santa Clara Co., Cal.**  
 One-story reinforced concrete warehouse.  
 Owner—Chas. Parker.  
 Architects—Wolfe & Higgins, Anzerails Bldg., San Jose.

Plans Prepared Work to be Started Shortly.

**PACKING PLANT** Cost, \$10,000  
**OROVILLE, Butte Co., Cal.**  
 Cold storage and packing plant.  
 Owner—Johnson & Openshaw, 711 Montgomery St., Oroville.  
 Architect—Not Given.

Plans Being Prepared.

**WAREHOUSE, ETC.** Cost, \$80,000  
**EUREKA, Humboldt Co., Cal.** Fourth St., bet. "E" and "C" Streets.  
 One and two-story reinforced cheese curing and warehouse and office building 110x240. (The two-story portion will be used for offices, rest rooms, etc.)  
 Owner—California Central Creameries, Eureka, Cal.  
 Engineer—H. J. Brunner, Sharon Bldg. San Francisco.

Contract Awarded.

**MFG. BLDG.** Cost, \$12,133  
**STOCKTON, San Joaquin Co., Cal.** Fremont and Hunter Sts.  
 Four-story brick leather manufacturing building, 50x130.

Owner—Wagner Leather Company, Stockton, Calif.

Architectural Designer—Edward M. Cooney and James Lawrie, associate, 604 North Hunter, Stockton, Calif.

Contractor—Frank Tucker, 321 North Sierra Nevada, Stockton, Calif.

Note—Mr. Lawrie is superintendent of construction for the Wagner Co.

Preliminary Sketches Prepared.

**PRINTING PLANT** Cost, \$—  
**SAN FRANCISCO.** Third and Bryant.  
 Five-story reinforced concrete printing plant.  
 Owner—Schwabacher-Frey Co., Market and Second Sts., San Francisco.  
 Architect—Not Selected.  
 Mr. Schwabacher states that Lange & Bergstrom, Sharon Bldg., have prepared preliminary plans, but so far have not been selected as the engineers and contractors.

Piling Contract Awarded. Figures to be Taken Shortly for Concrete Work.

**PILE FOUNDATION** Cost, \$10,300 approximately.  
**SAN FRANCISCO.** Islais Creek.  
 Pile foundation for 6 steel oil tanks.  
 Owner—Willits & Patterson, Fife Bldg., 1 Drumm St., San Francisco.  
 Engineer—Shas. Watts, 24 California St., San Francisco.  
 Contractor—Healy-Tibbitts Constr. Co., 9 Main St., San Francisco.  
 Figures will be taken in about a week for the concrete foundations.  
 The contract for the steel tank has been awarded to the Western Pipe & Steel Co., 333 Market St., San Francisco.

**WINDSOR, Sonoma Co., Cal.**—Articles of incorporation have been filed in the office of the County Clerk, W. W. Felt, Jr., by the Windsor Canning Company and the erection of a huge canneries building is assured.

The company is capitalized at \$100,000. Following is a list of the subscribers: Antonio M. Cogliandro of Windsor, N. S. Stewart of San Francisco, and Thomas G. Scotchler of Berkeley.

Contract Awarded. Work Started.

**DEPOT.** Cost, \$—  
**MARYSVILLE, Yuba Co., Cal.**  
 One-story brick and stucco depot.  
 Owner—Sacramento Northern Electric Railroad Company.  
 Architect—E. C. Hemmings, 1208 "J" St., Sacramento.  
 Contractor—Herndon & Finnigan, 1714 16th St., Sacramento.

Plans Being Prepared. Ready for Figures Next Week.

**PACKING PLANT** Cost, \$—  
**SAN JOSE, Santa Clara Co., Cal.** San Salvador and Lincoln Streets.  
 ADDITION (57x133) to packing plant (brick or reinforced concrete).  
 Owner—Salsina Canning & Packing Co.  
 Architect—Louis Theodore, Lenzon, 110 South Second St., San Jose.

Additional platforms and other buildings not yet fully decided will also be built. These additional buildings will cover approximately 10,000 square feet.

Plans Prepared.

**LAUNDRY** Cost, \$—  
**SANTA CRUZ, Santa Cruz Co., Cal.** Front Street.  
 One-story concrete laundry.  
 Owner—Union Laundry M. S. Herriett, Santa Cruz, Cal.  
 Architect—Allen C. Collins.

Preliminary Plans Being Prepared.

**FACTORY** Cost, \$175,000  
**SAN FRANCISCO, Potrero District.**  
 Four-story reinforced concrete factory building.  
 Owner—Withheld.  
 Architect—S. Heiman 57 Post St., San Francisco.

Contract Awarded. Work Started.

**MFG. PLANT.** Cost, \$80,000  
**LODI, San Joaquin Co., Cal.** North Sacramento Street.  
 Brick, concrete and steel manufacturing plant, 205x130 (26,000 sq. ft. floor space).  
 Owner—Superior Manufacturing Co., Lodi, Calif.  
 Architect—L. A. Carter.

Contractor—H. O. Chain, Farmers' & Merchants' Bldg., Stockton.

There will be 180,000 brick, 80 ton of structural steel and 18 tons of corrugated iron used. The west 205-foot front will be of pressed brick on steel sash.

The officers' room, which will include the general offices, will cover 3000 square feet; experimental room will be 32 by 46; the sales room, 32 by 50; the pattern shop will cover 3000 square feet; the tool room, 20 by 40 the assembling room, 56 by 74; the store room, 40 by 45, and the machine shop, 125 by 70. A lot 115 by 130 feet has been left on the north end of the property to be used later as a foundry.

**MODESTO, Stanislaus Co., Cal.**—A building permit has been granted by the City Council to the Pratt-Lov Preserving Company, Modesto, to make improvements at its plant to cost \$90,000. The work will consist of three buildings: A reinforced concrete building 146 by 127 feet and two frame corrugated iron structures 60 by 20 and 120 by 90 feet in size.

## FIREHOUSES AND JAILS

**CARSON CITY, Nevada.**—State Architect F. J. DeLongchamps has submitted estimates of cost for constructing a new penitentiary building at the Prison Farm to Governor Boyle.

Architect De Longchamps' figures provide for an artificial stone and stone structure containing 200 cells. If the structure is erected on the Prison Farm, \$41,500; if constructed at the Prison site, \$26,500; this for artificial stone and \$43,000 for a stone building at the Prison Farm.

The items of cost in the construction of the artificial stone building at the farm include:

Foundation	\$12,000
Crushing plant equipment	5,500
Walls	24,000
At the quarry, or present prison, the costs are distributed as follows:	
Foundation	\$3,500
Cutting stone	7,000
Laying walls	16,000

The estimate on the construction of a stone building at the farm included \$12,000 for the foundation, \$7,000 for



cutting stone, \$8,000 for hauling stone, \$16,000 for laying the walls.  
The estimates have been forwarded to the Prison Board for report.

## GARAGES

Plans Being Prepared. To be Done by Day Labor.  
GARAGE Cost, \$—  
SAN FRANCISCO. N Ellis bet. Polk and Van Ness Avenue.  
Two-story fireproof garage, 55x120.  
Owner—Wm. Helbing.  
Architect—Wm. Helbing, 517 Hayes St., San Francisco.

Plans Being Prepared.  
GARAGE Cost, \$40,000  
VISALIA, Tulare Co., Cal. Locust and Aquira Streets.  
One-story reinforced concrete garage, 100x115 (plaster exterior.)  
Owner—James Seabright.  
Architects—Glass & Butner, Cory Bldg., Fresno.

Contract Awarded.  
GARAGE, ETC. Cost, \$60,000  
PORTLAND, Ore. Grand and Hawthorne Avenues.  
Three-story reinforced concrete, brick and mill construction auto garage and salesrooms, 90x85.  
Owner—Francis Motor Car Co.  
Architects—F. T. Webber and Richard Martin, Associate, Portland, Ore.  
Contractor—A. Guthrie & Co., Inc., Sherlock Bldg., Portland.

RENO, Nevada.—The following bids were received by the Washoe County Commissioners, E. H. Beemer, County Clerk, for the construction of a brick garage building on the County Courthouse grounds at Reno:  
Roush & Belz, Reno, ..... \$13,315  
Colradt Bros., Reno, ..... 13,800  
Sellman Constr. Co., Reno, 14,800  
The contract was awarded to Roush & Belz. Plans for the structure were prepared by Architects Ferris & Malsbary, Colonial Hotel, Reno.

Contract Awarded.  
GARAGE Cost, \$25,000  
FRESNO, Fresno Co., Cal. Van Ness Ave., bet. Kern and Inyo Sts.  
One-story concrete garage building, 75x150.  
Owner—M. M. Shooshan.  
Lessee—Spear-Borst Auto Co.  
Architects—Swartz & Ryland, Rowell Bldg., Fresno.  
Contractor—Prichard Bros., 623 Ferger St., Fresno.

Contract Awarded.  
GARAGE Cost, \$40,000  
FRESNO, Fresno Co., Cal.  
One-story concrete garage, 125x140.  
Owner—J. E. Azderian.  
Lessee—Anderson Motor Co., Ford Agent.  
Architects—Swartz & Ryland, Rowell Bldg., Fresno.  
Contractor—Trenwhitt & Shields, Rowell Bldg., Fresno.

Contract Awarded.  
GARAGE Cost, \$25,000  
MADERA, Madera Co., Cal.  
One-story concrete and brick garage.  
Owner—D. Barsotti of Madera.  
Lessee—Chamberlain Auto Co.  
Architects—Swartz & Ryland, Rowell Bldg., Fresno.  
Contractor—Robert W. Brown, Madera

Plans Completed.  
GARAGE Cost, \$—  
PORTLAND, Ore. NW Hawthorne and East Eighth Streets.  
One-story brick and concrete garage building.  
Owner—Whitney L. Boise.  
Lessee—International Motor Truck Co.  
Architects—Houghtaling & Dougan, Henry Bldg., Portland.

Ready For Figures About Saturday.  
GARAGE Cost, \$50,000  
SACRAMENTO, Cal. Ninth and "L" Streets.  
Two-story brick and concrete garage.  
Owner—S. W. McKim and C. E. Phipps, 2015 "H" St., Sacramento.  
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

Completing Plans.  
GARAGE Cost, \$50,000  
SACRAMENTO, Cal. "L" St., bet. 6th and 7th Sts.  
Two-story brick and concrete garage.  
Owner—L. F. Bruener.  
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

Contract Awarded.  
GARAGE Cost, \$15,000  
STOCKTON, San Joaquin Co., Cal. 521 North California St.  
One-story concrete and brick garage, 50x150.  
Owner—Mark G. Dentoni, Stockton, Architectural Designer—Edward M. Coney, 604 North Hunter, Stockton.  
Contractor—Senator Lewis, Stockton.

Work Started.  
GARAGES Cost, \$—  
STOCKTON, San Joaquin Co., Cal. Vicinity of Hunter, Rose and Vine streets.  
Twelve one-story hollow concrete block garages.  
Owners—Not given.  
Designers and Contractors—Thornton & Fenno, 328 East Main St., Stockton.

Sub-Contracts to be Figured Shortly.  
GARAGE Cost, \$—  
SAN FRANCISCO. E Howard and 5th Streets.  
Class "C" garage and warehouse, 155x188.  
Owner—Pacific Gas & Electric Co.  
Architect—Wm. Knowles, Hearst Bldg., San Francisco.

Mr. Knowles will take figures during the next two weeks on the following sub-contracts:  
Electric Work, Painting, Plumbing, Glass and Glazing, Metal Window Frames, Roofing Rolling Doors (Kaneer or equal), Elevator work, Etc.  
The Clinton Construction Co., 140 Townsend St., has the concrete contract at \$114,120.

Owners Taking Separate Figures.  
GARAGE Cost, \$50,000  
SAN FRANCISCO W Dolores Street from Market to 14th Streets.  
One-story and basement reinforced concrete garage.  
Owner—Savings Union Bank & Trust Co., O'Farrell and Grant Ave., San Francisco.  
Architect—Arthur S. Bugbee, Sharon Bldg., San Francisco.  
Manager of Construction—C. R. Collopy Care Savings Union Bank & Trust Company.

Contract Awarded.  
GARAGE, ETC. Cost, \$15,000 approximately.  
SARATOGA, Santa Clara Co., Cal. near Saratoga.  
Two-story frame and plaster garage with living rooms.  
Owner—Chas. D. Blaney.  
Architects—Willis Polk & Co., Hobart Bldg., San Francisco.  
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Building Permit Issued.  
GARAGE Cost, \$33,000  
MODESTO, Stanislaus Co., Cal. 12th and "H" Streets.  
One-story reinforced concrete garage.  
Owner—Claude Maze, W. C. Shackelford and Wm. Silva, all of Modesto.  
Architect—Not Given.

Contract Awarded.  
GARAGE Cost, \$17,400  
MODESTO, Stanislaus Co., Cal. SE Tenth and F Streets.  
One-story brick garage, 100x140.  
Owner—W. E. Kewin.  
Lessee—Fargo & Straight.  
Architect—Not Given.  
Contractor—Ernest Green, 915 "I" St., Modesto, Cal.

## GOVERNMENT WORK AND SUPPLIES

PROPOSALS for sheet brass, steel filing cabinets, bolts, rivets, washers, staples, tacks, files, stocks and dies, stillson wrenches, hacksaw blades, pipe fittings, valves, water-closet bowls, shackles, turnbuckles, garden rakes, blow torches, door springs, varnish brushes, steel measuring tapes, folding rules, twine, manila tags, carbonized paper, lumber and mill work—Sealed proposals will be received at the Office of the General Purchasing Officer, The Panama Canal, Washington, D. C., until 10:30 o'clock A. M., December 11, 1919, at which time they will be opened in public for furnishing the above-mentioned articles. Blanks and information relating to this Circular (1317) may be obtained from this office or the office of the Assistant Purchasing Agent, Fort Mason, San Francisco, Calif.; also from the United States Engineer Offices in the principal cities throughout the United States.—A. L. FLINT, General Purchasing Officer.

SAN DIEGO, Cal.—Lange & Bergstrom, Sharon Bldg., San Francisco, submitted the lowest bid received at the Twelfth Naval District Office, San Diego, for the construction of a one-story reinforced concrete Central Building for the Industrial Group at the Marine Corps Base, San Diego, under Specification 4047. No bids were received by the Bureau of Yards and Docks, Washington, D. C.

The two lowest bids were as follows:  
Lange & Bergstrom, ..... \$231,000  
Federal Constr. Co., ..... 241,802  
A complete list will be reported later.  
The building will have reinforced concrete foundations on concrete piles; reinforced concrete columns, floors, and roof slabs; steel trusses and purlins; brick and hollow tile walls and partitions; plastered interior and stuccoed exterior wall surfaces; built-up and tile roofing; suspended metal ceilings; skylights and louvers; wood doors; steel sash and wood sash; complete

plumbing, heating and electric lighting and power systems; and a radial brick chimney 125 feet high.

#### WATER AND SEWER SYSTEMS.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, November 19, specification 4067, for water supply and sewer systems and a fuel oil storage reservoir at the U. S. Marine Corps base, San Diego, Calif.:

Item 1, net price and time for the entire work complete, in accordance with the drawings and specifications, based on the piles under concrete sewers, being 15 feet in length; 2, net price and time for the sewer and water and fire protection systems complete, in accordance with the drawings and the specifications, based on the piles under concrete sewers being 15 feet in length; 3, net price and time for the reservoir and equipment complete, in accordance with the drawings and specifications; 4, net price to be added to or deducted from items 1 and 2 for each pile in excess of or less than the number indicated on the drawings, based on a length of 15 feet below cut off; 5, net price to be added to or deducted from items 1, 2 and 4 for each linear foot of each pile in excess of or less than the specified length of 15 feet below cut-off.

H. D. Hallet, 132 Downer Place, Aurora, Ill., item 2a, \$194,350 120 days; 4a \$8; 5a, 50c; 8b, \$7,200; 8c, \$3,000; 9a, \$8,750, 10 days.

Carleton-Mace Engineering Corp., 18 Tremont St., Boston, Mass., 1a, \$244,324, 130 days; 2a, \$237,124; 3a, \$7,200; 4a, \$6.10; 5a, \$35; 6a, \$48,500; 7a, \$2,100; 8a, \$14,700; 8b, \$13,500; 8c, \$12,900; 9a, \$13,200.

General Heating and Ventilating Co., item 1a, \$389,750, 150 days; 2a, \$376,450, 150 days; 3a, \$330,90 90 days; 4a, add \$12 and deduct \$8; 5a, add 60c and deduct 20c; 7a, \$6,450; 8a, \$16,000; 8b, \$15,500; 8c, \$8,000; 9a, \$24,000.

#### One bid received at San Diego.

Thomas Haverly Co. Eighth St. and Maple Ave., Los Angeles, submitted the only bid to the public work offices of the twelfth naval district at San Diego, at \$244,850 for constructing a 70,000 gallon, reinforced concrete fuel oil storage tank, water and sewer mains at the marine brigade post on Dutch Flats, San Diego. There will be 8740 ft. of 8-in., 140 ft. of 6-in., and 2300 ft. of 2-in. water pipe to be laid and 7800 ft. of sewer pipe.

**SUPPLIES FOR THE NAVY**—Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows: (Closing date noted at end of each paragraph.)

Schedule 5058, eastern and western yards, U. S. navigation sets, various kinds of taps, die stocks, tap wrenches and split dies, opening December 16.

Schedule 5090, eastern and western yards, 36 sewing machines, opening December 12.

Schedule 5101, for eastern and western yards, reamers and arbors, opening December 15.

Schedule 5108, for Puget Sound, 30,000 lbs. naval rolled brass bars, opening December 9.

Schedule 5115, for Puget Sound, 1 feed water heater, opening December 16.

Schedule 5117 f. o. b. works, rebristling 3,000 brushes, opening December 16.

Schedule 5117, for San Diego, 1 combination chemical engine and hose wagon, opening December 16.

Schedule 5118, eastern and western yards, elbows, unions, caps and locknuts, opening December 16.

Schedule 5119, eastern and western yards, elbows, locknuts, unions and Y branches, opening December 16.

Schedule 5123, for Puget Sound, miscellaneous electric wire, opening December 16.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

**WASHINGTON, D. C.**—The following bids were received by the chief of the Bureau of Yard and Docks, Navy Department, specification 4067, for painting 3 600-foot radio towers at the naval station, San Diego, Calif.

J. P. Sullivan, 4515 Indiana avenue, Chicago, Ill., \$7,940, time 45 days, \$8,460, time 30 days.

Alfred Olson Co., 4651 North Clark street, Chicago, Ill., \$8,938, 45 days.

Neptune B. Smith, Inc., 417 E. 34th street, New York city, \$12,300, time 40 days.

Malakatis Painting Co., Union Trust Building, Washington, D. C., \$14,460, time 90 days.

Kootz & Banks, 6156 High street, Portsmouth, Va., \$3,285, time 30 days.

Awarded to Kootz & Banks.

Ing prepared by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for 2 kite balloon and 3 seaplane hangars to be erected at San Diego. The work is provided for under Specification No. 4087.

**MARE ISLAND, Cal.**—The following bids were received November 26th by the Public Works Office at Mare Island for alternates for the construction of "Torpedo Storehouse and Compressor and Separation Building," at Mare Island, Specification No. 3991:

McLerran & Peterson, Hearst Bldg., San Francisco, (5) \$47,187, 180 days; (6) \$49,960, 180 days; (7) \$6,792, 30 days; (8) \$650, 30 days.

K. E. Parker Co., San Francisco (5) \$47,280, 175 days; (6) \$51,400, 175 days; (7) \$7,150, 25 days; (8) \$7,520, 25 days.

Alfred Vogt San Francisco (5) \$50,882, 200 days; (6) \$53,600, 200 days; (7) \$7,400, 30 days; (8) \$7,600, 30 days.

Clinton Constr. Co. (bid received too late, but was the highest submitted).

#### HALL & SOCIETY BUILDINGS

**SAN DIEGO, Cal.**—The War Camp Community Service, W. H. Hiltz, Director, contemplates erecting a permanent building in San Diego to cost \$300,000. The old Liberty auditorium has been leased and will be fitted up for temporary quarters.

Plans Prepared. To Call Bids Shortly. LODGE AND STORE BUILDING  
Cost, \$100,000.

PORTLAND, Ore. Park and Taylor Streets.

Four-story brick and concrete lodge and store building, 50x160.  
Owner—Knights of Columbus Lodge of Portland.

**Architect**—Jos. Jacobberger, Board of Trade Bldg., Portland.

When bids are called separate proposals will be received for the heating and plumbing contracts.

#### Plans Being Prepared.

**ADDITION** Cost, \$100,000  
**SACRAMENTO, Cal.** No. 331 "J" St. Addition 20x160 to five-story fireproof bank and club building (extensive alterations and additions to the 4 upper floors occupied by the Sutter Club).

Owner—California National Bank, Premises.  
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

**LOS ANGELES, Cal.**—A special committee to select an architect to design the new lodge and club building to be erected by Los Angeles Elks' Lodge, No. 99, has been appointed by Leo V. Youngworth, chairman of the building committee. The new building is to be erected at the northwest corner of Eighth and Flower streets. The committee which will select the architect will include Geo. Hart, John Burton, M. F. Shannon, Harry Fryman, John Luckenbach, Ben F. Gray, George Goldsmith, exalted ruler of the lodge, and Leo V. Youngworth.

#### HOSPITALS

Contracts Awarded.

**HOSPITAL** Cost, \$—  
**SAN FRANCISCO.** Park Hill and Buena Vista Avenues.

Laundry equipment, electric work, heating and plumbing for Class "A" hospital.

Owner—St. Joseph's Home & Hospital. Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

**Heating to J. E. O'Mara, 45 Minna St. Electric Work to The Turner Co., 272 Natoma Street.**

**Plumbing to Frederick Snook Co., 596 Clay Street.**

The contract for the boilers has not been awarded.

**HOSPITAL** Cost, \$350,000  
**SACRAMENTO, Cal.** Twenty-ninth and "J" Streets.

Fireproof hospital.  
Owner—Mrs. C. P. White, Widow of Dr. John L. Premises.

Architect—R. A. Herold, Forum Bldg., Sacramento.

Mr. Herold prepared plans for this building about three years ago. It is planned to use these same plans with a few changes and additions, however, nothing definite has been decided.

Contracts Awarded.

**HOSPITAL** Cost, \$—  
**WOODLAND, Yolo Co., Cal.** Two-story frame and plaster hospital.

Owner—Woodland Sanitarium. Architect—W. H. Weeks, 75 Post St., San Francisco.

General Contract awarded to Wm. R. Felt, Woodland.

**Concrete and Plastering to Joseph Matroni, Woodland.**

Plans Being Prepared.

**HOSPITAL** Cost, \$—  
**WHITTIER, Los Angeles Co., Cal.** Two-story hollow the hospital with 2 one-story wings.

Owner—Milhouse Memorial Hospital.

Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.  
**ASTORIA, Ore.**—The erection of a \$100,000 fire proof hospital building is planned by the Finnish Societies of this city. The proposed structure has been discussed by Astoria Lodge No. 2 of the Finnish Brotherhood.

## HOTELS

Carpentry Work Awarded. Figures Being Taken for Other Part of the Work.

**ALTERATIONS** Cost, \$20,000  
**SANTA CRUZ, Santa Cruz Co., Cal.**  
 Pacific Avenue.  
 Alterations for hotel.

Owner—Hotel St. George.  
 Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

The carpentry and mill work has been awarded to Hamilton & Church of Santa Cruz on a percentage basis.

Figures are being taken for electric, plastering, marble and plumbing work.

Contract Awarded. Erection of Building depends on Satisfactory Lease.

**HOTEL** Cost, \$200,000  
**FRESNO, Fresno Co., Cal.** Van Ness Avenue.

Six-story fireproof hotel, 75x150 (115 rooms, each with bath).

Owner—Harry Arakelian, Turlock, Calif.

Architects & Engineers—Swartz & Ryland, Rowell Bldg., Fresno.

Contractor—Prichard Bros., 623 Ferger St., Fresno.

Plans Nearing Completion. Excavation Started.

**HOTEL** Cost, \$75,000  
**UNION, Oregon.**

Two-story and basement brick hotel, 75x125 (40 sleeping rooms, billiard hall, etc.)

Owner—Withheld.

Architect—Milton Bloch, Associate Architect, La Grande, Ore.

Plans will provide for one additional story to be constructed at a later date.

Contract Awarded.

**ADDITION** Cost, \$—  
**CHICO, Butte Co., Cal.**

Addition of wing to six-story fireproof hotel.

Owner—Hotel Oaks.

Designer and Contractor—Jas. L. McLaughlin, 251 Kearny St., San Francisco.

The number of rooms to be added has not been decided, but will be shortly. The same plans will be used.

Plans Being Prepared.

**ADDITION, ETC.** Cost, \$25,000  
**MODESTO, Stanislaus Co., Cal.** 11th and "H" Streets

Addition of fifth story and altering ball room, etc., into 36 rooms.

Owner—Hotel Modesto, Crow & Hognin, Modesto, Cal.

Architect—Not Given.

Plans Being Prepared.

**HOTEL** Cost, \$500,000  
**RENO, Nevada.** On Belle Isle.

Six-story fireproof hotel 350 rooms.

Owner—Bankers Finance Corporation,

Ralph L. Goetz, President, Reno, Nevada.

Architects—Ferris & Maisherry, P. O. Box 363, Reno, Nevada.

Work will also include the construction of a bridge across the river from both sides of the island.

## PUBLIC BUILDINGS

### TO ERECT MAUSOLEUM.

**SANTA MONICA, Los Angeles Co., Cal.**—The City Commission has signed an agreement with H. S. Webber of the Rosedale Mausoleum Co. for the erection of a mausoleum, chapel, crematory and columbarium to cost \$125,000 at Woodlawn Cemetery. The building will contain 610 crypts. The building will have granite exterior, marble interior, bronze doors, cathedral glass skylights.

Contract Awarded.

**MAUSOLEUM.** Cost, \$300,000  
**LOS ANGELES, Cal.** Rosedale Cemetery.

Class "A" mausoleum, 308x95—1720 crypts.

Owner—Rosedale Mausoleum Co., Haas Bldg., Los Angeles.

Architect and Contractor—Milwaukee Building Co., 315 Wright & Callender Bldg., Los Angeles.

**FRESNO, Fresno Co., Cal.**—Deputy City Engineer W. F. Rantema is preparing plans for a municipal swimming tank to be constructed in Roeding Park. The structure will be of reinforced concrete construction, 400 feet long and 50 feet wide. Ten electroliers along the sides of the tank will provide the illumination. The structure will cost in the neighborhood of \$13,000.

## RESIDENCES

Plans Being Prepared.

**ADDITION** Cost, \$—  
**FRESNO, Fresno Co., Cal.**

Addition of sun porch, marble fountain and changes on interior of residence.

Owner—Wylie M. Giffen.

Architects—Glass & Butner, Cory Bldg., Fresno.

Plans Being Prepared. To be Done by Day Labor.

**BUNGALOWS** Cost, \$4,500 each  
**SAN FRANCISCO.** Westwood Park.

Five one-story frame apartment bungalows 4 and 5 rooms, etc.

Owner—Charles C. Williams, Syndicate Bldg., Oakland.

Architect—Owner.

Plans Being Revised. To be Refurnished

**RESIDENCE** Cost, \$30,000  
**PIEDMONT, Alameda Co., Cal.**

Two-story frame and brick residence (14 rooms and 5 bathrooms, separate garage with living quarters).

Owner—H. W. Harrold.

Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Plans Being Prepared.

**RESIDENCE** Cost, \$7,500  
**BERKELEY, Alameda Co., Cal.** Elmwood Court.

Two-story frame residence (6 rooms).

Owner—Mrs. Hill.

Architect—John Hudson Thomas, First National Bank Bldg., Berkeley.

Plans Being Prepared.

**RESIDENCE** Cost, \$10,000  
**SAN JOSE, Santa Clara Co., Cal.** Cor. Tenth and San Antonio Sts.

Two-story plaster residence.

Owner—H. Garcia.

Designer—Herman Krause, 130 S-First St., San Jose.

Plans Being Prepared.

**RESIDENCE** Cost, \$10,000  
**SAN JOSE, Santa Clara Co., Cal.** On The Alameda.

Two-story plaster residence.

Owner—Mrs. Borchers.

Designer—Herman Krause, 130 S-First St., San Jose.

Contract Awarded.

**COTTAGES** Cost, \$4,500 each  
**SAN JOSE, Santa Clara Co., Cal.** Williams St. near Naglee Park.

Seven one-story frame cottages.

Owner—L. B. Dougale.

Architects—Binder & Curtis, Binder Bldg., San Jose.

Contractor—P. T. Jorgensen, Naglee & Dana St., San Jose.

Plans Being Prepared.

**RESIDENCES** Cost, \$10,000 each  
**SAN JOSE, Santa Clara Co., Cal.**

Two two-story frame residences.

Owner—Withheld.

Architect—H. W. Higbee, Porter Bldg., San Jose.

Days Work.

**ALTERATIONS** Cost, \$2,000  
**PACIFIC GROVE, Monterey Co., Cal.**

Remodeling residence.

Owner—Mrs. Warren K. Skillings.

Architect—Warren Skillings, Bank of San Jose Bldg., San Jose.

Plans Being Prepared.

**RESIDENCE** Cost, \$5,800  
**SAN JOSE, Santa Clara Co., Cal.** Near San Jose.

One and one-half-story frame residence

Owner—Thrift.

Architects—Wolf & Higgins, Auzares Bldg., San Jose.

Days Work.

**COTTAGES** Cost, \$3,000 to \$5,000 each  
**SAN JOSE, Santa Clara Co., Cal.** Palm Haven Tract.

Twenty one-story and two-story frame cottages to be built for sale.

Owner—Palm Haven Investment Co.

Architects—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Work just starting on a unit of eight buildings.

Plans Being Prepared.

**COTTAGES** Cost, \$3,600 each  
**SAN JOSE, Santa Clara Co., Cal.** Sixth and Washington Streets.

Five five and six-room cottages. Plaster exterior.

Owner—E. Wolfe.

Architects—Wolfe & Higgins, Auzares Bldg., San Jose.

Plans Being Prepared.

**BUNGALOW** Cost, \$12,000  
**PACIFIC GROVE, Monterey Co., Cal.**

One-story frame bungalow.

Owner—Withheld.

Architect—Warren Skillings, Garden City Bank Bldg., San Jose.

Work will not start until Spring.

Contract Awarded.  
**FRAME DWELLINGS** Cost, \$15,000  
**SAN JOSE, Santa Clara Co., Cal.**  
 Twelfth and Williams Sts.  
 Seven two-story frame dwellings.  
 Owner—The Lewis Co., San Jose.  
 Architect—Not Given.  
 Contractor—P. T. Jorgensen, Nagle  
 and Dana Sts., San Jose.

Contract Awarded.  
**RESIDENCE** Cost, \$21,000  
 Total Cost, \$25,000.  
**MODESTO, Stanislaus Co., Cal.**  
 Two-story and basement frame and  
 plaster residence.  
 Owner—A. B. Shoemaker, 906 10th St.,  
 Modesto, Cal.  
 Architect—Bernard J. Joseph, Cal.  
 Bldg., San Francisco.  
 Contractor—W. A. Stevens & Son, Mo-  
 desto.

This contract does not include elec-  
 tric fixtures, plumbing, etc.

Plans Being Prepared.  
**ADDITION** Cost, \$—  
**OAKLAND, Alameda Co., Cal. Clare-**  
**mont District.**

Two-story addition to present 2-story  
 frame residence (5 rooms and  
 sleeping porch, also separate ga-  
 rage).

Owner—Mr. McDuffie, of Mason-Mc-  
 Duffie Co.  
 Architect—Henry H. Guttersen, 278  
 Post St., San Francisco.

Segregated Bids Being Taken.  
**ALTERATIONS** Cost, \$5,000  
**OAKLAND, Cal. No. 223 Hillside Ave.**  
 Alterations to a two-story frame resi-  
 dence containing 9 rooms and 2  
 bathrooms.

Owner—P. A. G. Messchaert, Premises.  
 Architects—Reed & Corlett, Oakland  
 Bank of Savings Bldg., Oakland.

Plans Being Figured.  
**RESIDENCE** Cost, \$10,000  
**STOCKTON, San Joaquin Co., Cal.**  
 One and one-half story hollow tile resi-  
 dence, 8 rooms and airplane sleep-  
 ing porch, garage for three ma-  
 chines.

Owner—Mr. Grace, care Nancy Bros.,  
 Stockton.  
 Architect—Edward M. Cooney, 604 N.  
 Hunter St., Stockton, Calif.

Plans Being Prepared.  
**BUNGALOW, ETC.** Cost, \$5,000  
**STOCKTON, San Joaquin Co., Calif.**  
 One and one-half story, 7-room frame  
 bungalow and garage.  
 Owner—George Cochellon, Stockton.  
 Architect—Edw. M. Cooney, 604 North  
 Hunter St., Stockton.

Plans Being Prepared.  
**ALTERATIONS** Cost, \$—  
**OAKLAND, Alameda Co., Cal. Oakland**  
**Avenue.**  
 Alterations and additions to two-story  
 frame residence.  
 Owner—Mrs. Palmanteer.  
 Architect & Contractor—Wm. Knowles  
 Central Bank Bldg., Oakland.

Plans Being Figured.  
**BUNGALOW** Cost, \$7,000  
**SAN JOSE, Santa Clara Co., Cal. Union**  
**Avenue near Campbell.**  
 One-story frame bungalow (rustic ex-  
 terior).  
 Owner—N. O. Hultberg.  
 Architect—Chas. S. McKenzie, Bank of  
 San Jose Bldg., San Jose.

Plans Being Figured.  
**COTTAGES** Cost, \$8,00 and \$6,000  
**SAN JOSE, Santa Clara Co., Cal. Nagle**  
**Tract.**  
 Two one-story cottages.  
 Owner—Gilger & Co.  
 Architect—Chas. S. McKenzie, Bank of  
 San Jose Bldg., San Jose.

Plans Being Figured.  
**BUNGALOW** Cost, \$10,000  
**SAN JOSE, Santa Clara Co., Cal. S-**  
**First St. near Shottenhamer Dist.**  
 One-story frame bungalow (plaster ex-  
 terior, tile roof).  
 Owner—Lugi Scaglione.  
 Architect—Chas. S. McKenzie, Bank of  
 San Jose Bldg., San Jose.

Bids In and Under Adviselement.  
**COTTAGE** Cost, \$8,000  
**SAN JOSE, Santa Clara Co., Cal. Tully**  
**Road near the White Road.**  
 One-story frame and plaster cottage.  
 Owner—P. Michals.  
 Architect—Chas. S. McKenzie, Bank of  
 San Jose Bldg., San Jose.

Plans Being Figured.  
**RESIDENCE** Cost, \$7,500  
**SAN JOSE, Santa Clara Co., Cal.**  
 Hanchet Tract, Bush and Tillman  
 Avenue.  
 One and one-half-story frame resi-  
 dence.  
 Owner—Carl Stutsman.  
 Architects—Wolf & Higgins, Auzeais  
 Bldg., San Jose.

Plans Being Figured.  
**RESIDENCE** Cost, \$12,000  
**SAN JOSE, Santa Clara Co., Cal.**  
 Two-story plaster Colonial residence.  
 Owner—Withheld.  
 Architect—Warren Skillings, Garden  
 City Bank Bldg., San Jose.  
 Two bathrooms, tile floors, red gum  
 finish, hardwood floors, hot air system  
 and brick porches.

Sub-Figures Being Taken. To be Done  
 by Days Work.  
**ALTERATIONS** Cost, \$4,500  
**SAN FRANCISCO, No. 977 Valencia St.**  
 Alter and add to frame residence and  
 office (add 4 rooms, etc.)  
 Owner—Dr. J. Graves, 34 Hill St., San  
 Francisco.  
 Architect—Alfred I. Coffey, Humboldt  
 Bank Bldg., San Francisco.

Figures Being Taken For Concrete  
 Work.  
**RESIDENCE** Cost, \$35,000  
**BERKELEY, Alameda Co., Cal. Near**  
**Hotel Claremont (Oak Ridge Lots**  
**6 and 7).**  
 Two-story and basement frame and  
 plaster residence (10 rooms and 4  
 bathrooms).  
 Owner—G. A. Mattern.  
 Architects—Louis M. Upton and M.  
 Latham, 354 Montgomery St., San  
 Francisco.

Figures for the general contract will  
 be taken shortly.  
 The excavating and grading con-  
 tract has been awarded to The Oak-  
 land Paving Co. at \$3,500.

Contract Awarded.  
**RESIDENCE** Cost, \$5,500  
**SACRAMENTO, Cal. No. 1354 41st St.**  
 Two-story frame residence (6 rooms).  
 Owner and Architect—E. C. Hemmings  
 1203 "J" St., Sacramento.  
 Contractor—E. A. Corum, 2523 Portola  
 St., Sacramento.

Plans Being Prepared.  
**RESIDENCE** Cost, \$—  
**LOS ANGELES, Cal. Irving Blvd. near**  
**4th Street.**  
 Two-story brick and frame residence  
 (12 rooms and 4 bathrooms).  
 Owner—A. C. Davis.  
 Architect—S. M. Cooper, 510 Merritt  
 Bldg., Los Angeles.

**RESIDENCE** Cost, \$9,939  
 Contracts Awarded.  
 November 28, 1919.  
**SAN FRANCISCO, N Santa Marina 50**  
**W Prospect.**  
 Two-story and basement frame resi-  
 dence and garage (9 rooms and 3  
 bathrooms).  
 Owner—R. A. Lure.  
 Architect—Walter Falch, Hearst Bldg.,  
 San Francisco.  
 Contractor—J. Prout, 2020 Turk St.,  
 San Francisco.

## SCHOOLS

Bonds Voted. Figures to be Called in  
 About Ten Days.

**SCHOOL** Cost, \$24,000  
**VISITACION, San Mateo Co., Cal.**  
 One-story frame school.  
 Owner—Visitacion School District.  
 Architect—Ernest L. Norberg, Bank-  
 ers' Investment Bldg., S. F.

**SACRAMENTO, Cal.—**Architect John  
 J. Donovan, of Oakland, is seeking a  
 commission to prepare plans for school  
 improvements under the recent \$3-  
 064,000 bond issue.

There are now before the Board the  
 offer of the Sacramento architects to  
 do the work at 6 per cent; that of  
 Shea & Lofquist of San Francisco, to  
 do the work at 2 per cent; and that of  
 Francis W. Reid, whose offer was \$14-  
 000 for the fourteen schools, if the  
 William Land School plan 1/2 followed.

**MODESTO, Stanislaus Co., Cal.—**  
 From plans prepared by Architect John  
 J. Donovan, 414 13th St., Oakland, bids  
 will be received by the Board of Trus-  
 tees of the Modesto High School Dis-  
 trict, Kathleen G. Prewitt, Clerk, up  
 to December 15th, 8:30 P. M., for  
 Cafeteria, Kitchen equipment and for  
 the general work of the Cafeteria,  
 Home economics and Classroom Addi-  
 tion to the present High School build-  
 ing, consisting of the Home Economics  
 department, the Cafeteria and Class-  
 rooms, with certain alterations to  
 work in present building.

The following divisions of work are  
 not included in these contracts: plum-  
 bing, heating, and electrical work. They  
 will be let under separate contracts.

NOTE:—Estimated cost, \$85,000.

Certified check of 10% payable to  
 High School District of Stanislaus  
 County must accompany each bid.

**FRESNO, Fresno Co., Cal.—**The con-  
 tract for furnishing, delivering and in-  
 stalling, 1000 or more, pupils' pressed  
 steel combination desks of all sizes has  
 been awarded by the Board of Educa-  
 tion to Heywood Bros., and Wakefield,  
 734 Howard street, San Francisco. The  
 desks will be installed in the Fresno  
 High School.

Three other bids were received from  
 C. F. Weber, Rucker-Fuller Desk Co.  
 and Maritzen-Kuns.

A complete list of the bids received  
 may be seen at this office. J. R. Fon-

Time of Secretary of the Board of Education.

## STORES AND OFFICES

Preliminary Plans Being Prepared.  
BUSINESS BUILDING Cost, \$10,000  
SAN JOSE, Santa Clara Co., Cal.  
One-story reinforced concrete business building.

Owner—Withheld.  
Architects—Binder & Curtis, Binder Bldg., San Jose.

Preliminary plans are also being prepared for two similar buildings to cost, \$10,000 and \$12,000 respectively.

Preliminary Sketches Being Prepared.  
ALTERATIONS Cost, \$—  
SAN JOSE, Santa Clara Co., Cal.  
Alter store front. Fixtures, etc., for candy store.  
Owner—Withheld.  
Designer—Herman Krause, 130 S-First St., San Jose.

Plans Being Prepared.  
ALTERATIONS Cost, \$7,000  
SAN JOSE, Santa Clara Co., Cal. S-First Street.  
Alter store front and interior.  
Owner—Marcus Furler.  
Designer—Herman Krause, 130 S-First St., San Jose.

Days work.  
ALTERATIONS Cost, \$7,000  
SAN JOSE, Santa Clara Co., Cal. No. 160 S-First St., San Jose.  
New front and interior fixtures.  
Owner—Benton Millinery.  
Designer—Herman Krause, 130 S-First St., San Jose.

Day Work.  
ALTERATIONS Cost, \$5,000  
SAN JOSE, Santa Clara Co., Cal. No. 140 S-First St.  
Interior alterations to store.  
Owner—O. A. Hale & Co., Premises.  
Designer—Herman Krause, 130 S-First St., San Jose

Contracts Awarded.  
ALTERATIONS Cost, \$12,000  
SAN JOSE, Santa Clara Co., Cal. S-First St. bet. San Carlos and San Salvador.

Alterations and additions to two-story and basement brick building.  
Owner—Wm. Binder & Boschken.  
Architects—Binder & Curtis, Binder Bldg., San Jose.

MHI Work awarded to Pacific Mfg Company.  
Glass—Garden City Glass Co.  
Carpentry—Z. O. Field.  
Brick kWork—Baker.  
Plumbing—Moenning & Howard.

Sheet Metal—Garden City Sheet Metal Works.  
Electric—San Jose Electrical Co.  
Hardwood—Floor Strable Mfg. Co.  
Roofing—Johns Manville Co.  
Marble—A. B. Barker.  
The following contracts have not been let.  
Plastering, Painting and store fronts

Plans Being Prepared.  
COMMERCIAL BLDG. Cost, \$10,000  
SAN JOSE, Santa Clara Co., Cal. San Antonio bet. 1st and Market.  
Two-story reinforced concrete commercial building.  
Owner—T. S. Montgomery.  
Architects—Binder & Curtis, Binder Bldg., San Jose.

Plans Being Prepared.  
ALTERATIONS Cost, \$5,000  
SAN JOSE, Santa Clara Co., Cal. Second Street near Santa Clara.  
Alter and add to reinforced concrete building (undertaking parlors).  
Owner—Curry & Grippenstraw.  
Architects—Wolfe & Higgins, Auzeais Bldg., San Jose.

Plans Being Figured.  
STORE BLDG. Cost, \$—  
LOS BANOS, Merced Co., Cal.  
One-story reinforced concrete store building (shoe store). Frame to be strong enough for an additional story.  
Owner—Withheld.  
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Plans Being Figured.  
STORE BLDG. Cost, \$—  
LOS BANOS, Merced Co., Cal.  
One-story reinforced concrete store building. 25x75 3 stores; (saloon, restaurant, etc.) Frame to be strong enough for an additional story.  
Owner—Withheld.  
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Contract Awarded.  
FRAME MARKET Cost, \$5,890  
SAN FRANCISCO. SE Clement and 32nd Avenue.  
One-story frame market.  
Owner—Dominic Trevisani, 3034 Clement St., San Francisco.  
Architect—C. Fantoni, 550 Montgomery St., San Francisco.  
Contractor—G. M. Hantzsche, 528 31st Ave., San Francisco.

Contract Awarded.  
STORE BLDG. Cost, \$—  
VALLEJO, Solano Co., Cal.  
One-story reinforced concrete store building (strong enough to carry 4 stories).  
Owner—Harry Handlery.  
Architect—Bernard J. Joseph, Call Bldg., San Francisco.  
Contractor—S. J. Weeks, Vallejo.  
(27552) 1st report May 22; 3rd Oct.

Architects Taking Preliminary Estimates.  
BANK AND OFFICES Cost, \$500,000  
SAN FRANCISCO. NW Eddy and Powell Streets.

Six-story Class "A" bank and offices.  
Owner—Bank of Italy.  
Architects—Bliss & Faville, Balboa Bldg., San Francisco.  
The steel, grading and foundation contracts have been awarded.

Contract Awarded.  
UNDERTAKING PARLOR, ETC. Cost, \$15,320.  
SAN FRANCISCO. W Buchanan Street S Turk.  
Two-story frame undertaking parlor and chapel (brick veneer facing).  
Owner—Chevra Kadisha.  
Architect—S. Heiman, 57 Post St., San Francisco.

Contractor—Louis Cohn, 625 Market St., San Francisco.  
Plans Being Figured.  
STORE Cost, \$8,000  
SAN JOSE, Santa Clara Co., Cal. Market and Santa Clara Streets.  
One-story brick store.  
Owner—John Rossich.  
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Bids in and Under Advisement.  
STORE Cost, \$5,000  
SAN JOSE, Santa Clara Co., Cal. Fifth St. near Jackson.  
One-story reinforced concrete store building, 32x60.  
Owner—Withheld.  
Architects—Wolf & Higgins, Auzeais Bldg., San Jose.

Plans Being Figured.  
OFFICE BUILDING Cost, \$100,000  
SAN FRANCISCO. N Pine Street, bet. Front and Davis, W of Oceanic Building.  
Two-story and basement Class "A" office building (frame to be strong enough for 6 additional stories) 87½ foot frontage.  
Owner—Ames-Harris Neville Co., 100 Potrero Ave., San Francisco.  
Architect—J. R. Miller, Lick Bldg., San Francisco.  
The entire first floor will be used for offices of the owners.

Preliminary Plans Being Prepared.  
AUTO SALES BLDG. Cost, \$—  
SAN FRANCISCO. N Pine near Polk.  
Two two-story reinforced concrete auto sales buildings.  
Owner—J. Eisenbach, Flatiron Bldg., San Francisco.  
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans Being Prepared.  
STORES Cost, \$—  
CHICO, Butte Co., Cal. Third and Salem Streets.  
One-story (3) stores.  
Owner—J. H. Minderman and C. F. Reynolds, Chico.  
Architect—Shester Cole, Waterland-Breslauer Bldg., Chico.

Contract Awarded.  
STORE - Cost, \$12,000  
ST. JOHNS, Oregon.  
One-story brick and tile store, 75x100.  
Owner—St. Johns Hardware Co.  
Architects—De Young & Roald, Spalding Bldg., Portland.  
Contractor—R. D. Crowe, Sherlock Bldg., Portland.

## THEATRES

Plans Being Completed.  
ALTERATIONS Cost, \$10,000  
FRESNO, Fresno Co., Cal.  
Alterations and changes for theatre.  
Owner—Bijou Theatre.  
Architects—Coates & Traver, Rowell Bldg., Fresno.

Work will include the erection of marquee and electric sign.

Plans Being Prepared.  
THEATRE Cost, \$2,000,000  
LOS ANGELES. NE 6th and Hill Sts.  
Class "A" theatre.  
Owner—D. J. and Syd Grauman.  
Architect—Chas. Lamb, New York City.  
Mr. Lamb is in Los Angeles stopping at the Alexandria Hotel and will leave for San Francisco Sunday evening.

Plans Ready For Figures.  
ALTERATIONS Cost, \$50,000  
SACRAMENTO, Cal. "J" Street.  
Extensive alterations to theatre.  
Owner—Ackerman & Harris.  
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

## ENGINEERING

### BRIDGES, DAMS & HARBOR WORK

**ZAMORA, Yolo Co., Cal.**—The following have been appointed a committee to secure data regarding the construction of a new county bridge to replace the present structure at the north end of town: F. Clover, Herman Walker and D. H. Long.

A structure consisting of a 150-foot span and costing about \$15,000 is planned.

**LOS ANGELES, Los Angeles Co., Cal.**—F. W. Young, 307-8 Wright & Callender Bldg., Los Angeles, who has the contract for the Sherman drive improvement at \$32,000, awarded last April, has accepted service, the money now being available. The work includes a reinforced concrete bridge over the Pacific Electric Railway tracks to cost about \$18,000, for which the Darrell Condey Co. has a sub-contract.

**SANTA ROSA, Sonoma Co., Cal.**—The City Council has ordered the City Engineer to proceed with the construction of the septic tank at the Sewer Farm. The tank is estimated to cost \$6,000 and will be 400 feet long, 15 feet wide and 5 feet deep.

**SAN FRANCISCO.**—I. R. Kissell submitted the only bid to the Board of Public Works for cleaning and painting bridges at Third and Channel, Islais Creek and Third street and San Jose and Mt. Vernon avenues at \$5,500; \$3,500 and \$2,453, respectively, total, \$11,453 or if awarded contract for all three structures agreed to complete the work for \$10,853.

As the affidavit accompanying the bid was not signed it is probable that it will be rejected and new bids called.

**NAPA, Napa Co., Cal.**—The County Supervisors, James Daly, Clerk, has awarded a contract to Simon Lenz & Son, for the construction of reinforced concrete extensions to nine stone bridges between Napa and Rutherford, the bid being \$3,048.50.

Other bidders were: Frank Gaggero, \$3,914.50; C. H. Gildersleeve, \$5,687.50.

**NAPA, Napa Co., Cal.**—The County Supervisors have awarded a contract (informal) to Frank Gaggero, Pine and Jefferson Sts., Napa, for the construction of a retaining wall at Steele Canyon Bridge, the work not to exceed \$300 in cost. James Daly is County Clerk.

### IRRIGATION WORK

**BRIDGEPORT, Mono Co., Cal.**—The proposed diversion of the waters of tributaries of Mono Lake for the irrigation of 300,000 acres of land on the great Mohave Desert is declared feasible by government engineers who have been working on preliminary surveys for several months.

The waters will have to be carried 260 miles, crossing a mountain range, before they reach the lands to be watered.

The project was first suggested by C. W. Anderson, a rancher of Mohave who

proceeded to organize an irrigation district and urge an investigation upon the government. The report recommends that the project be left entirely in the hands of the government.

**GRIDLEY, Butte Co., Cal.**—Meetings are being held here to further the Butte Creek Reclamation project, under consideration by owners of 160,000 acres of land in Butte, Colusa and Glenn counties. Jerome D. Peters has been appointed Chairman of the organization committee.

Owners of 51 per cent of the acreage involved must endorse the project before it can be submitted to the State Engineer for approval. P. H. Tullock of the Sutter-Butte Canal District has submitted engineering data regarding the project.

### LIGHTING SYSTEMS

**ORANGE, Orange Co., Cal.**—The following bids were received by the City Trustees for constructing an ornamental lighting system on Chapman and Glassell streets: A. J. Lieh, \$18,000; C. W. Sparks, \$19,675; F. E. Newbery Electric Co., \$20,922; D. S. McEwan Electric Co., \$24,600; Southern California Electric Co., \$24,864.

**SANGER, Fresno Co., Cal.**—An ordinance providing for the installation of an electrolizer system has been adopted by the City Trustees.

The system will be installed in the business section and extends from "P" street across the Southern Pacific right of way to "H" street, and for one block on each side of Seventh street.

### MACHINERY

**SANTA ROSA, Sonoma Co., Cal.**—The County Supervisors are considering the purchase of road machinery with which to construct units of the county highway system for which bids were recently rejected, and ordered done by day labor. Members of the Board spent several days in San Francisco looking over prospective purchases, but nothing definite was accomplished.

W. W. Felt Jr., is County Clerk, and Lloyd Aldrich, County Highway Engineer.

### SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

**CORNING, Tehama Co., Cal.**—The Board of Trustees, E. L. Randal, City Clerk, has ordered the construction of cement sidewalks five and four feet wide as follows:

East side of Sixth Ave. from the intersection of South St. to the intersection of Solano St.

North side of Yolo St. from the intersection of Sixth St. to the intersection of West St.

North side of Yolo St. from the intersection of West St. running westward 100 feet.

West side of West St. from the intersection of Yolo St. to the intersection of Solano St.

East side of Hoag St. to the intersection of Marin St.

North side of South St. from the intersection of West St. eastward to the intersection of Fifth St.

## Pacific PIPE

### SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

**PACIFIC PIPE CO.,**  
231 Howard St. San Francisco

West side of Houghton Ave. from the intersection of Butte St.

North side of Butte St., from the intersection of West St. to the intersection of Sixth St.

South side of Butte St. from the corner of Sixth St., 100 feet west to connect with cement sidewalk on south side of Butte St.

West side of Sixth St. from the intersection of Butte St. to the intersection of Colusa St.

Along the South side of Chestnut St. from the intersection of First St. to the intersection of Second St.

South side of Chestnut St. from Peach St. to the intersection of Pear St.

#### Four Feet Wide.

East side of Sixth Ave. from the intersection of Fig Lane to intersection of Center St.

West side of Link Ave. from the intersection of South St. to the intersection of Center St., and also from Center St. to the south line of the Pickett property.

East side of West St. from the intersection of Center St. to the intersection of South St.

West side of Peach St. from the intersection of Walnut St. to the intersection of Chestnut St.

Also substantial gravel sidewalks shall be laid and put down on the following streets:

Rice Ave. from the intersection of West St. to the intersection of Hoag St.

East side of Thomas Ave. from the intersection of Scott St. to the intersection of Taft Ave.

South side of Taft Ave. from the intersection of Thomas Ave. to the intersection of Houghton Ave.

South side of Chestnut St. from the intersection of First St. to the intersection of Last St.

Along the south side of Walnut St. from the intersection of Pear St. to the intersection of Prune St.

Along the south side of Walnut St. from the intersection of Prune St. to the intersection of Fig St.

Along the south side of Yolo St. from intersection of West St. to Hoag St.

#### GRADE SEPARATION PROJECT.

SEATTLE, Wash.—The City Council has approved the recommendation of the Board of Public Works regarding the grade separation problem in the district south of the depots and instructed the City Engineer to prepare plans for the undertaking under Plan No. 1 as favored by the board and authorized the draft of an ordinance covering the work planned at once. The cost of the entire project has been estimated at \$14,500,000, a large portion of which would be borne by the railroads.

PITTSBURG, Contra Costa Co., Cal.—The City Trustees, James Fitzgerald, City Clerk, have awarded a contract to Hutchinson Co., for the improvement of Tenth street from the east to the west limits of the city by grading; constructing concrete curbs and paving with a 6-inch concrete pavement; covering same with a heavy coat of oil and rock screenings; constructing six 24-inch half circle iron culverts.

TOMESTONE, Ariz.—All bids received November 17 for constructing Sections 2-A and 2-B of the Bisbee-Douglas highway were rejected on recommendation of State Engineer Thos. Maddock, who considered them too high. Eaton & Smith bid \$113,625 on Section 2-A and \$127,728 on Section 2-B. Mr. Osborn bid \$115,515 and \$116,899 respectively.

YUCAIPA, San Bernardino Co., Cal.—The Redlands & Yucaipa Land Co. has decided to construct a water system for that section of the valley known as the Dunlap ranch. Several pumping plants and reservoirs will be constructed and steel pipe lines laid at a cost of about \$100,000. E. M. Lyon is president and G. A. Atwood, general manager of the company.

FRESNO, Fresno Co., Cal.—The State Railroad Commission has granted the Fresno County Supervisors permission to construct a public highway across the tracks of the Southern Pacific on Main street, in Raisin City, and directs the closing of Palm avenue. The Engineering Department of the Commission in recommending the granting of the permit recommends that Manning avenue be paved to Palm avenue, that Hayes avenue be paved from Manning avenue south to Main street, and that Main street be paved west as far as Palm avenue, and that either Main street or Palm avenue be paved from this point.

FRESNO, Fresno Co., Cal.—Estimates providing for the pavement of the driveways and walks in the County Hospital grounds have been presented to the Supervisors by County Engineer Chris P. Jensen, who estimates the cost of the work between \$6,000 and \$9,000.

According to the engineer 60,000 square feet of pavement will be required to cover the driveways, an item that will cost, he estimates, \$6,000. The installation of a concrete curb at the edges will cost 50 cents per lineal foot, or an additional item of \$3,000.

He suggests a 4-inch bitulithic pavement with a Warrenite surfacing

#### ROAD SURVEYS UNDER WAY.

MARTINEZ, Contra Costa Co., Cal.—Surveys for the paving and grading of the county highway from Luzon bridge to Barry hill are being made by County Engineer R. R. Arnold. The road from Luzon (Hercules town limits) to the foot of Barry hill will require very little grading as it lies along the floor of Rodeo Valley and with only one bridge to be erected will be completed by next summer.

VALLEJO, Solano Co., Cal.—Lack of funds prevents the paving of the alley in the rear of the Lincoln School building, according to a communication from the City Council to Superintendent of Schools A. C. Barker.

FRESNO, Fresno Co., Cal.—Four bids were submitted to the County Supervisors, Chris. P. Jensen, County Highway Engineer, for paving Elm avenue. The bids follow:

Blanchard, Crocker & Howel, 58 2nd St., San Francisco, to complete in 300 days, grading, \$1.34 per square yard; laying of base, \$17 per yard; culverts, \$3,500 and railings, \$48.

Federal Constr. Co., to complete in 240 days, grading, \$1 per yard; concrete, \$16.34; culverts, \$2,800 and railings \$48.

A. H. Vaughn to complete in 210 days, grading, \$1.35 per yard; concrete, \$17.25 per yard; culverts, \$3,300 and railings \$64.

Rogers Bros. to complete in 200 days, grading, \$1.20 per yard; base, \$16.29 per yard; culverts, \$3,000 and railings, \$74.

According to the figures of Engineer Jensen the bid was on a basis of approximately \$23,370 per mile as against \$25,333.28, on identical specifications calling for untopped concrete of the rich mixture. The Federal Construction Company's bid aggregates \$284,445.50, and that of Rogers Bros. \$284,218.30. The engineer's estimate for the contract was \$241,536.

It is probable that the contract will be awarded the Federal Construction Company.

IMPERIAL, Imperial Co., Cal.—Bonds to the amount of \$35,000 to re-surface Main street and Imperial avenue, \$20,000 to pave approaches to Imperial avenue, and \$25,000 to pave approaches to Main street, were carried at a special election.

STOCKTON, San Joaquin Co., Cal.—The Supervisors have appointed a committee to secure data regarding the proposed extension of North street directly through to Cherokee land in order to give an entrance to the city of Stockton from the east.

TRACY, San Joaquin Co., Cal.—City Engineer W. J. Larkin at the last meeting of the City Trustees submitted estimates of cost providing for the improvement of Eleventh street, and recommends that the present pavement be used as a base for concrete. Scarifying this pavement, putting down concrete with concrete curb will amount per front foot to approximately \$5.93.

LOS ANGELES, Los Angeles Co., Cal.—Geo. H. Oswald, 405 O. T. Johnson Bldg., Los Angeles, was awarded the contract at \$92,228.43 for paving Washington street between Arlington street

and the west city boundary, involving 316,316 sq. ft. grading at 3c sq. ft.; 316,316 sq. ft. asphalt paving at 22½c sq. ft.; 57 lin. ft. cement curb at 60c ft.; 382 sq. ft. cement sidewalk at 18c ft.; 9464 sq. ft. concrete gutter at 28c sq. ft.; 4280 sq. ft. granite block gutter at 50c ft.; storm drain to cost \$5000 and house connection sewers at \$1.30 ft. Other bids received by the Board of Public Works were: Fairchild-Gilmore-Wilton Co., \$93,036.93; Geo. R. Curtis, \$95,106.22; Bryant & Austin, Inc., \$109,585.02.

GRASS VALLEY, Nevada Co., Cal.—The City Trustees have adopted plans and specifications prepared by Albert Givan, Engineer, Forum Bldg., Sacramento, for concrete paving from the terminal of the state work at the south city limits to the present paving at Mill street, the route being by way of Mill, Church and Main streets. The plans also provide for a macadam roadway on Auburn between Neal and Main. The work will cost about \$27,000.

SACRAMENTO, Cal.—The following bids were received November 24th by the California State Highway Commission for highway improvement:

Siskiyou County, between Weed and Southerly Boundary (II-Sis-3-A), about 18.2 miles in length to be paved with Portland cement concrete.

F. Rolandi, S. F., \$220,820.

R. C. Storrie, S. F., \$235,300.

Engineer's Estimate, \$145,705.

Del Norte County between Cushion Creek and Crescent City (I-D-N-1-B), about 4 miles in length to be graded.

Palmer & McBryde, S. F., \$49,037.

Wilmshurst & Reddy, Orick 49,297.

Engineer's Estimate, \$32,537.

San Diego County, between Caserebe Ranch and Tecate Divide (VII-S-D-12-F), about 13.8 miles in length to be graded.

Wright & Doran, San Diego, \$168,267.

Chas. D. Soteras, Los Angeles, \$202,973.

Engineer's Estimate, \$194,157.

San Diego County, between Pine Valley and Caserebe Ranch (VII-S-D-12-E), about 6.6 miles in length to be graded.

M. D. Goodbody, San Diego, \$55,827.

Maurice Ryan & Son, San Diego 72,609.

Engineer's Estimate, \$—.

VISALIA, Tulare Co., Cal.—Bids will be received by the County Supervisors up to December 17th for the construction of sidewalks around the county courthouse grounds.

Plans may be had from the County Clerk at Visalia.

SAN LORENZO, Alameda Co., Cal.—Bids will be received up to December 15th, 8 P. M., by City Clerk, J. J. Gill, for furnishing labor and materials for the grading and macadamizing of Thornton street, from the west boundary of the city to a line parallel and distant two feet southwest from the main track of the S. P. Railway.

Plans may be seen at the office of H. H. Goodwin, City Engineer, 579 25th St., Oakland.

OROVILLE, Butte Co., Cal.—The Supervisors have instructed Martin C. Polk, County Engineer, to proceed with the improvement of Valambrosia avenue from the Cemetery Bridge east.

**SANTA ROSA, Sonoma Co., Cal.**—Bids will be received by the County Supervisors, W. W. Felt, Jr., County Clerk, up to December 10th, 12 M., for the construction of new Occidental Road in Second Road District; construction of Petaluma-Sonoma Highway Section B; and a reinforced concrete bridge over Copeland Creek, on the Snyder Lane Road, about one and nine-tenths miles northerly from Cotati.

**OAKLAND, Cal.**—The County Engineer is making a survey for the proposed road from Alvarado to San Lorenzo, which will be covered with a concrete surface.

The Supervisors are planning the improvement of the Niles-Centerville road and the Centerville-Newark road with a concrete surface, the work to be under way by next July. Geo. E. Gross is County Clerk.

**BENICIA, Solano Co., Cal.**—The City Trustees have awarded a contract to W. J. Schmidt, Cedar and Sacramento Sts., Berkeley, at \$5,325 for the construction of sewers planned under "East Side Sewer District No. 2."

The bid of T. R. Clinch was rejected as not being complete.

A petition having been received asking the extension of sewers and water pipes in Bessie street from the highway, a distance of 150 feet, the Trustees awarded a contract to J. E. Johnson of Tracy to do the work.

**OROVILLE, Butte Co., Cal.**—H. Brooks has been awarded a contract by the County Supervisors to gravel the Creek road from Nord avenue to the Sacramento river, the contract price being \$1.25 per yard. M. C. Polk is County Engineer.

**THE DALLES, Ore.**—The City Council has been awarded a contract for grading, basing and surfacing nine blocks in Elm street, Kelly avenue and West Eighth street to the United Contracting Co., of Portland, at \$39,167.80.

**PORTLAND, Ore.**—The City Engineer has completed plans for the following projects, and a call for bids will be issued shortly:

\$125,012.75 for sewers; \$214,647 for hard-surfaced streets; \$11,362 for new sidewalks and \$5,037 for macadam roadways.

**SACRAMENTO, Cal.**—A petition has been received by the City Commissioners asking the improvement of Thirty-second street from Montgomery Way to Sixth Avenue. The matter has been referred to Commissioner of Streets, D. W. Carmichael.

## FIRE EQUIPMENT

**OAKLAND, Cal.**—Bids will be received by the County Supervisors, Geo. E. Gross, County Clerk, up to December 22nd, 10 A. M., for the construction of a fire protection system for the Arroyo Sanatorium, near Livermore, Alameda County, Cal.

Certified check of 10% payable to Geo. E. Gross, County Clerk, must accompany each bid.

Plans may be seen at the office of the County Clerk.

## THE FIRST PAN AMERICAN CONGRESS OF ARCHITECTS.

The organizing committee has announced that the first Pan American Congress of Architects will meet March 1, 1920, at Montevideo. The architects of all the Americas are invited to attend and to exhibit their work, and the presence of the presidents and faculties of all schools of architecture is especially desired. The chief purposes of the long planned convention are the demonstration of American architectural advancement, the discussion of artistic and technical development, and the increase of professional solidarity. Both practicing and student architects are eligible as exhibitors, and prizes will be awarded to architects, schools or faculties, and individual students in accordance with the decisions rendered by a chosen International Jury composed of professors of architecture.

The work of architects for exhibition are comprised in the following classification:

First, Projects of public buildings and monuments.

Second, Projects of private buildings and monuments.

Third, Projects of decoration.

Fourth, Details and motives of architecture.

Fifth, Works upon the History of Architecture in America.

The projects mentioned in the first two classifications must be presented with their plans, frontage and sections. They may or may not correspond to buildings already finished. When dealing with completed buildings the exhibitor may present photographs of frontages or interiors to complete his idea. Details and perspectives will be admitted.

The projects of decoration mentioned in the third category must be composed of all the parts necessary for their clear understanding. Details and motives of architecture referred to in the fourth category may be presented in the form considered best and photographs will be accepted in order to complete subjects. Studies upon the History of Architecture may be presented in accordance with the best judgment of the exhibitor.

All exhibits must deal with buildings or monuments already constructed or to be carried out in America.

Exhibits must have the name and address of the exhibitor as well as its destination written clearly, and must be delivered to the Organizing Committee at Montevideo not later than February 10, 1920.

There will be established one or more Grand Prix D'Honneur with Gold Medal for the best projects corresponding to the first three categories of works, Gold Medals, First Mentions with Silver Medals, Second Mentions with Silver Medals and Merit Diplomas for every one of the five categories.

Work of students which has been done in the schools under the direction of the professor and with his approval, is eligible, providing it has been completed within the term in which programmed and is accompanied by such program. The signature of the professor and of the student and the date must also be upon the work.

One or more Gold Medals for the best works presented by each school or

tions and Merit Diplomas for the best works of each course.

## COMMITTEE APPOINTED TO SUPERVISE HANDLING OF OAKLAND SCHOOL PLANS.

**OAKLAND, Cal.**—An auditing committee of five citizens, to supervise the handling of the building program about to be undertaken under the recent \$5,000,000 school bond issue was appointed at a special meeting of the school board held to decide the question after the failure of the members to agree on the point.

Following the meeting the names of the members of the committee selected were announced as follows: Fred Kahn and James Pedgrift, members of the advisory bond committee; George Randolph and Joseph King. The fifth member is to be selected by the four named by the board.

A revised report of the building program committee of the board covering the duties of the auditing committee was adopted by the board, providing that the citizens' committee shall work jointly with and bring to the consideration of the board for final action all matters involving the expenditures of bond money in the building program, and shall co-operate with the board in carrying out the building program already recommended.

In addition, the committee shall have the power to consider and report on the plans for the establishment of a construction department to have supervision over construction work, the hiring of architects and engineers, the purchase of sites, the execution of plans, specifications and contracts, and the expenditure of all funds. All matters of policy and procedure pertaining to the purchase of sites and the erection of buildings provided in the building program will be undertaken only after conference with the committee.

## MILLION AND A HALF FOR SAN JOSE PROJECTS.

**SAN JOSE, Cal.**—Bolly S. Kooser, head of the Builders' Exchange, states that more than a million and a half dollars worth of building in and about San Jose has been contracted for, the building to be carried out within the next few months. This amount, Kooser states, is unprecedented in the history of the county. The winter months usually show a decided drop in building activities, but this year the increase is phenomenal. Practically all of this work has been contracted for by San Jose contractors and builders.

## TO CALL BIDS FOR INYO COUNTY COURTHOUSE.

**INDEPENDENCE, Inyo Co., Cal.**—Plans for the proposed Inyo County Courthouse will be ready for final approval at the December session of the Inyo County Supervisors, which is set for December 9th. This decision was made at the last meeting of the County Board, when Architect W. H. Weeks, 75 Post St., San Francisco, agreed to have complete plans and specifications ready for calling bids.

The structure will cost about \$150,000.



# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

No.	Owner	Contractor	Amt.
2573	Hladik	Hladik	8000
2574	Curtaz	Helbing	23000
2575	Hazeltine	Owner	1000
2576	Lange	Owner	400
2577	Kass	Coggins	1000
2578	Morris	Owner	5000
2579	Middendorff	Owner	500
2580	St. Francis	Reeder	10800
2581	Balfour	Mangrum	5500
2582	Balfour	Morehouse	23200
2583	Brown	Mission	2600
2584	Brown	Sullivan	1900
2585	Gibbs	Gibbs	15000
2586	Graves	Graves	4000
2587	Tevisan	Hantzschke	5890
2588	Chebra-Kadisha	Cohn	15420
2589	Spiro	Peterson	700
2590	Bergerot	Bergerot	800
2591	Wormser	Sturges	500
2592	Western Button	Guisti	975
2593	Marcus	Pizzo	1000
2594	Savory	Zimmerman	3235
2595	Univ Title	Butte	340
2596	Johnson	Owner	10900
2597	Marg	Sockolov	3500
2598	Parkside Rity	Keenan	9800
2599	Correntino	Philipp	750
2600	Hamill	Owner	3000
2601	Allred	Smith	9000
2602	Laidlow	Mullen	2075
2603	Greater City Lbr	Ohlsen	3000
2604	McAllister	Brady	900
2605	Kern	Kern	2000
2606	Thompson	Owner	48000
2607	Skelly	Owner	49000
2608	Thompson	Malloch	1000
2609	Hermann's	Merchant	1516
2610	Pac G. & E.	Clinton	89370
2611	Brinkman	Hansen	3000
2612	Prince	Monson	8000
2613	S F Home Bldg	Owner	2000
2614	U R R Co	Owner	700
2615	Moneta	Anderson	3873
2616	Parkside	Keenan	9445

#### APARTMENTS

(2574) S LINCOLN WAY 40 W 21st Ave. Two-story and basement frame (1) apartments. 27-6x62. Owner—Anna Hladik, 825 Monadnock Bldg., San Francisco. Architect—J. C. Hladik, Monadnock Bldg., San Francisco. Day's work. COST, \$8000

#### GARAGE

(2574) N ELLIS 164 E Van Ness. Two-story concrete garage, 55-9x120. Owner—Oscar M. Curtaz, 521 Hayes, San Francisco. Architect—Owner. Superintendent—Wm. Helbing, 521 Hayes, San Francisco. COST, \$28,000

#### GARAGE

(2575) NE MASONIC and Waller (rear). One-story frame (private) garage. Owner—Chas. Hazeltine, 1260 Masonic, San Francisco. Architect—D. J. Patterson, 46 Kearny, San Francisco. Day's work. COST, \$1000

#### REPAIRS

(2576) NE BOYD and Chesley. Repairs for stable. Owner—Wm. A. Lange, 422 Montgomery, San Francisco. Architect—None. Day's work. COST, \$400

#### ALTERATIONS

(2577) NO. 1730 FILLMORE. Erect plaster partition and build lunch counter. Owner—Chas. Kass, care Leader Dairy Lunch, 6th and Stevenson, S. F. Architect—None. Contractor—J. M. Coggins, 15 Turk, San Francisco. COST, \$1000

#### DWELING

(2578) W TWELFTH 275 S Fulton

Two-story and basement dwelling, 25x50. Owner—A. T. Morris, 501 11th Ave., San Francisco. Architect—None. Day's work. COST, \$5000

#### ALTERATION

(2579) NO. 3515 TWENTY-THIRD. Alter present kitchen for bed room. Owner—Henry Middendorff, 664 Hayes, San Francisco. Architect—None. Day's work. COST, \$500

#### GRADING, ETC.

(2580) NE BUSH AND HYDE E 195, N 17-6 W 57-E, N 10, A 137-6, S 147-6. Grading, excavations, etc., for two six-story class "B" Bldgs. Owner—St. Francis Hospital Co., corner Bush and Hyde, San Francisco. Architect—Alfred I. Coffey, Humboldt Bank Bldg., San Francisco. Contractor—A. J. Reeder, 110 Jessie, San Francisco. Filed Nov. 24, '19. Dated Nov. 17, '19. On 1st and 15th of each month. 75% Usual 35 days. TOTAL COST, \$10,600

Bond, \$5345. Sureties, New Amsterdam Casualty Co. Forfeit, \$10. Limit, none. Plans and specifications filed.

#### FLOOR AND WALL TILE

(2581) SE CALIFORNIA and Sansome S 89x6 129-93. Floor and wall tile for 12-story class "A" office building. Owner—The Balfour-Guthrie Investment Co., by P. J. Walker Co., Monadnock Bldg., San Francisco. Architect—Geo. W. Kelham, Sharon Bldg., San Francisco. Contractor—Mangrum & Otter, 827 Mission, San Francisco. Filed Nov. 24, '19. Dated Nov. 19, '19. Monthly of. 75% Usual 35 days. TOTAL COST, \$5300

Bond, \$2750. Sureties, The Fidelity & Casualty Co. of New York. Forfeit, none. Limit, 60 days. Plans and specifications filed.

(2582) FURRING AND LATHING on above. Contractor—C. C. Morehouse, 872 Folsom, San Francisco. Filed Nov. 24, '19. Dated Nov. 18, '19. Same as above. TOTAL COST, \$45,390

Bond, \$22,695. Sureties, The Fidelity and Casualty Co. Forfeit, none. Limit, as required. Plans and specifications filed.

(2583) N BUSH 137-6 W Taylor, W 82-S 137-6. Reinforced concrete and reinforced steel for retaining wall. Owner—David R. C. Brown. Engineer—H. J. Brunner, Sharon Bldg., San Francisco. Contractor—Mission Concrete Co., 180 Jessie, San Francisco. Filed Nov. 24, '19. Dated Nov. 10, '19. Completed. \$1950 Usual 35 days. TOTAL COST, \$650

Bond, none. Sureties, J. S. Malloch, and Jno Cassaretto. Forfeit, none. Limit, 45 days. Specifications only filed.

(2584) BULKHEADING EXCAVATION, back filling and removing of old retaining wall on above. Contractor—D. J. & T. Sullivan, Inc., 1910 Folsom, San Francisco. Filed Nov. 24, '19. Dated Nov. 10, '19. Completed. \$1425 Usual 35 days. TOTAL COST, \$1900

Bond, Sureties, Forfeit, none. Limit, 45 days. Specifications only filed.

#### APARTMENTS

(2585) S SACRAMENTO 171-10-6 E Hyde. Three-story and basement (12) apartments.

Owner—J. Gibbs, 1708 Geary St., San Francisco. Architect—None. Day's work. COST, \$15,000

#### ADDITION

(2586) NO. 977 VALENCIA. Add 4 rooms for doctor's office and residence. Owner—Dr. J. H. Coffey, 34 Hill St., San Francisco. Architect—A. I. Coffey, Humboldt Bank Bldg., San Francisco. Day's work. COST, \$4000

#### FRAME MARKET

(2587) SE CLEMENT AND THIRTY-second Ave. One-story frame market. Owner—Domenic Trevisan, 3043 Clement St., San Francisco. Architect—C. Fantoni, 550 Montgomery St., San Francisco. Contractor—G. M. Hantzschke, 528 31st Ave., San Francisco. COST, \$5390

#### UNDER TAKING PARLOR

(2588) W BUCHANAN 87-6 N Golden Gate Ave. Two-story frame undertaking parlors. Owner—Chebra Kalisha, Inc., Laguna and Grove, San Francisco. Architect—S. Helman, Mechanics' Institute Bldg., San Francisco. Contractor—G. M. Hantzschke, 528 Market St., San Francisco. COST, \$15,420

#### ALTERATIONS

(2589) NO. 2367 MISSION. Remove stairway and change show windows of market. Owner—Spiro Bros., 309 Market St., San Francisco. Architect—None. Contractor—Antone Petersen, 2722 San Bruno Ave., San Francisco. COST, \$700

#### ALTERATIONS

(2590) NO. 1099 MISSION. New entrance for store; composition flooring; marble work, etc. Owner—P. A. Bergerot, 110 Sutter St., San Francisco. Architect—None. COST, \$800

#### FRAME GARAGE

(2591) NO. 55 FIFTH AVE. One-story frame garage. Owner—Gustave Wormser, Premises. Architect—None. Contractor—Benj. Sturges, 3931 Geary St., San Francisco. COST, \$500

#### ALTERATIONS

(2592) SE FIFTEENTH AND UTAH. Extend factory building. Owner—Western Button Factory, 619 Sansome St., San Francisco. Architect—None. Contractor—S. A. Guisti, 617 Sansome St., San Francisco. COST, \$975

#### ALTERATIONS

(2593) NO. 72 CIRCULAR. Concrete floor and foundation for dwelling and after interior. Owner—Mrs. R. F. Marcus, 10 Sunny-side Ave., San Francisco. Architect—None. Contractor—V. Pizzo, 137 Charlton Ave., San Francisco. COST, \$1000

#### PAINTING, ETC.

(2594) S SUTTER 160-5 E Jones. All work for painting, papering, etc., for five-story and basement reinforced concrete apartment building. Owner—Chas. Savory, 1549 Clay, San Francisco. Architect—Rousseau & Rousseau, 110 Sansome St., San Francisco. Contractor—S. Zimmerman, S. F. Filed Nov. 24, '19. Dated Nov. 2, 1919.

1st coat done .....\$800  
3rd coat done..... 800  
Completed..... 800  
Usual 35 days..... 800  
TOTAL COST, \$2325

Bond, none. Limit as soon as possible. Forfeit, none. Plans and specifications, none.

## ELECTRIC WORK

(2595) N HARRISON NO. 938-958  
Harrison, Electric conduits, switches, wire and connections for electric motor installments.  
Owner—Universal Tire & Rubber Co.  
Architect—None.  
Contractor—Butte Electrical Equipment Co. 530 Polson St., S. F.  
Filed Nov. 25, '19. Dated Nov. 14, '19.  
On 1st of each month..... 75¢  
Usual 35 days..... 2000  
TOTAL COST, \$2400

Bond, limit, forfeit, none. Plans only filed.

## FRAME FLATS

(2596) SW ANZA AND SIXTEENTH  
Ave. Two-story and basement frame (4) flats.  
Owner—Johnson & Johnson, 844 14th, San Francisco.  
Architect—None.  
Day's work..... COS, \$10,900

## ALTERATION

(2597) N JACKSON 56-8½ E Broderick. Erect boiler room in basement and install oil heating system.  
Owner—Sigmund Marg, 1655 Fillmore, San Francisco.  
Architect—None.  
Contractor—J. Sockolov, 2558 Clay St., San Francisco.  
COST, \$3500

## DWELLING

(2598) E THIRTY-THIRD 359-375 S Taraval. Two one-story and basement frame dwellings.  
Owner—Parkside Realty Co., Crocker Bldg., San Francisco.  
Architect—Chas. Strothoff, 2276 15th, San Francisco.  
Contractor—H. C. Keenan, 300 Webster, San Francisco.  
COST, \$4900 each

## REPAIRS

(2599) NO. 1046 PACIFIC. Repair fire damage.  
Owner—Eugene Corentino, Premises.  
Architect—None.  
Contractor—V. Filippis, 1526 Powell, San Francisco.  
COST, \$750

## DWELLING

(2600) W FORTY-SECOND 75 S Balboa. One-story and basement frame dwelling.  
Owner—Thos Hamill, 4101 Balboa St., San Francisco.  
Architect—None.  
Day's work..... COST, \$3000

## FURNITURES, ETC.

(2601) NO. 1314 POST. Fixtures, fittings and interior finish for display room.

Owner—Laidlaw Company of California.  
Architect—Sylvain Schnaitacher, 233 Post, San Francisco.  
Contractor—Th. Mullen Manufacturing Co., 64 Raush, San Francisco.  
Filed Nov. 26, '19. Dated Nov. 18, '19.  
Work delivered at build ng.....\$1000  
Completed and accepted..... 235  
Usual 35 days..... 540  
TOTAL COST, \$2075

Bond, \$1040. Sureties, Maryland Casualty Co. Forfeit, \$20. Limit, 35 days. Plans and specifications filed.

## (CORRECTION IN LOCATION)

(2601) N TARAVALL 166 E Cortes E 246 ..... Plastering for buildings (dwellings).  
Owner—S. Alford, 150 Onondago Ave., San Francisco.  
Architect—None.  
Contractor—Robert H. Smith, 433 Clement St., San Francisco.  
Filed Nov. 26, '19. Dated Nov. 25, '19.  
Brown coated any amount..... 50¢  
Contracted any amount..... 235  
Usual 35 days..... 257  
COST, \$3000

Bond, Sureties, Forfeit none. No plans or specifications filed.

## DWELLING

(2602) N ANZA 10 E 26th. One-story and basement frame dwelling, 26x47.

Owner—Greater City Lumber Co. 3123 Mission, San Francisco.  
Architect and Contractor—A. H. Ohlson, 2045 Pine, San Francisco.  
COST, \$3000

## REPAIRS

(2603) NO. 2550 BUCHANAN. Repair fire damage to residence.  
Owner—Elliot McAlister.  
Architect—Welsh & Carey, Merchants' National Bank Bldg., S. F.  
Contractor, M. V. Brady, Monadnock Bldg., San Francisco.  
COST, \$900

## ALTERATION

(2604) NOS. 251-53 Corbett Ave. Alter three stores for living rooms.  
Owner—The Kern Co., 235 Montgomery, San Francisco.  
Architect—None.  
Contractor—Charles J. Kern, 3883 18th, San Francisco.  
COST, \$2000

## AUTO SALES ROOMS

(2605) SW DOLORES and Market. One-story and basement class C auto sales rooms, 147x316-5½.  
Owner—Thompson Estate, Grant Ave. and Market, San Francisco.  
Architect—Arthur S. Bugbee, 816 Sharon Bldg., San Francisco.  
COST, \$48,000

## STORE

(2607) SE GOLDEN GATE and Larkin One-story and basement class C store, 32½x121½.  
Owner—Skelly Estate Co., 68 Post St., San Francisco.  
Architect—Matthew O'Brien, 68 Post, San Francisco.  
COST, \$10,000

## ALTERATION

(2608) NO. 180 SIXTH Ave. Change store front and alter for flat.  
Owner—Mrs. Jefferson Thompson, care architect.  
Architect—Miss E. E. Williams, 1037 Broadway, San Francisco.  
Contractor—J. S. Malloch, 180 Jessie, San Francisco.  
COST, \$1000

(2609) NE BUSH AND FRANKLIN, N. 15th Bush. Alterations and additions to building.  
Owner—H. Hermann's Sons, 1558 Bush, San Francisco.  
Architect—G. Headman, Call Bldg., San Francisco.  
Contractor—C. T. Merchant, 180 Jessie, San Francisco.  
Filed Nov. 26, '19. Dated Nov. 20, '19.  
Completed and accepted.....\$1137  
Usual 35 days..... 379  
TOTAL COST, \$1516

Bond, Sureties, none. Forfeit, \$10. Limit, 15 days. Plans and specifications filed.

(2610) E HOWARD and 5th NE 150x SE 155. Concrete work, etc., except reinforced steel bars, for three-story and basement and one-story class B building.

Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.  
Architect—W. B. Knowles, Hearst Bldg., San Francisco.  
Contractor—Clinton Construction Co., 140 Townsend, San Francisco.  
Filed Nov. 28, '19. Dated Nov. 21, '19.  
Every two weeks..... 75¢  
Usual 35 days..... 257  
TOTAL COST, \$893.70

Bond, \$15,000. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 100 days. Plans and specifications filed.

First report No. 2253; Nov. 24, 1919.  
(2611) W FAXON AVE. E. from N line lot 1, S 5 S 75 deg. 35' 28" W 100.829 N 0 deg. 24' W 61.882 S 76 deg. 34' 59" E 11 plus 057. Ptn lots 5 and 10 Bk. 2406, Westwood Park. One-story bungalow.  
Owner—K. A. Brinkman, 128 Hyde, San Francisco.  
Architect—None.  
Contractor—H. J. Hansen, 1327 20th Ave., San Francisco.  
Filed Nov. 28, '19. Dated Nov. 20, '19.  
Enclosed and enclosed.....\$1937.50  
First coat plaster on..... 1937.50  
Completed and accepted..... 1937.50  
Usual 35 days..... 1937.50  
TOTAL COST, \$7750

Bond, \$3800. Sureties, E. V. Lacey and A. Consani. Forfeit, none. Limit, 90 days. Plans and specifications filed.

## EXCAVATION, ETC.

(2612) W VALENCIA 107 N 24th St. Excavating grading and filling, concrete, cement work, reinforcing steel, brick work, terra cotta tile, partitions and lathing and plastering, including exterior cementing and Micolithic finish for a one-story class C shop building.  
Owner—B. R. Prince, 1234 Eddy, San Francisco.

Architect—Martin A. Sheldon, 110 Sutter, San Francisco.

Contractor—Moneta Bros, 110 Jessie, San Francisco.  
Filed Nov. 28, '19. Dated Nov. 28, '19.  
Concrete walls poured to top of fire walls..... 4000  
Completed and accepted..... 2000  
Usual 35 days..... 2000

Bond, \$4,000. Sureties, E. V. Lacey, and James H. Pinkerton. Forfeit, none. Limit, 35 days from Dec. 1st. Plans and specifications filed.

## REPAIRS

(2613) NW CORNER, 2750-52 MISSION. Repair fire damage.  
Owner—S. F. Home Bldg., Co., 2565 Mission, San Francisco.  
Architect—None.  
Day's work..... COST, \$2000

## FOUNDATION

(2614) SW OCEAN AND SAN JOSE Aves. Concrete foundation, etc., for two-story frame building.  
Owner—United Railroads of San Francisco, 5 Sutter, S. F.  
Architect—None.  
Day's work..... COST, \$700

## FRAME DWELLINGS

(2615) S JOOST AVE 100 W Genesee W 30xS 100, Lot 33 Ptn 38 Bk 5, Sunnyside; S Joost Ave 130 W Genesee W 30xS 100, Ptn Lots 35 and 38 Bk 5, Sunnyside; S Joost Ave 160 W Genesee W 30xS 100, Ptn Lots 34 and 35 Bk 5, Sunnyside; S Joost Ave 190 W Genesee W 30xS 100, Ptn Lots 31 and 34 Bk 5, Sunnyside; S Joost Ave 220 W Genesee W 30xS 100, Ptn Lots 30 and 31 Bk 5, Sunnyside; S Joost Ave 90 E Hamburg E 30xS 100, Ptn Lot 1 to 4 and 10 Bk 5, Sunnyside; S Joost Ave 120 E Hamburg E 30xS 100, Ptn Lot 11 Ptn 10 Bk 5, Sunnyside; S Joost Ave 150 E Hamburg E 30xS 100, Ptn Lot 14 Ptn 10 Bk 5, Sunnyside; S Joost Ave 180 E Hamburg E 30xS 100, Ptn Lots 15 and 18 Bk 5, Sunnyside; S Joost Ave 210 E Hamburg E 30xS 100, Ptn Lots 18 and 19 Bk 5, Sunnyside; S Joost Ave 240 E Hamburg E 30xS 100, Ptn Lots 19 and 22 Bk 5, Sunnyside; S Joost Ave 270 E Hamburg E 30xS 100, Ptn Lot 22 all Lot 23 Bk 5, Sunnyside. All work for 12 one-story and basement frame dwellings.

Owner—Moneta Investment Co., 624 Phelan Bldg., San Francisco.  
Architect—None.  
Contractor—N. A. Anderson, 1927 Napa Ave., Berkeley.

Filed Nov. 29, '19. Dated Nov. 11, '19.  
Frames up each building..... 808  
Enclosed and 1st coat plaster on each building..... 808  
Completed and accepted each building..... 808  
Usual 35 days..... 808  
TOTAL COST, \$38,784

Bond, \$15,500. Sureties, H. J. Quinn and Sargent & Mason. Limit, April 11, 1920. Forfeit, none. Plans and specifications filed.

NOTE—Permit reported Nov. 24, No. 2600.

## FRAME DWELLINGS

(2616) E THIRTY-THIRD AVE 200 N Ulloa N 50x E 120. All work for two one-story frame dwellings.  
Owner—Parkside Realty Co., Crocker Bldg., San Francisco.  
Architect—None.  
Contractor—H. C. Keenan, 300 Webster

Filed Nov. 29, '19. Dated Nov. 24, '19.  
Frame work completed.....\$2612.25  
Enclosed and brown coat plaster on..... 2361.25  
Completed and accepted..... 2361.25  
Usual 35 days..... 2612.25

Bond, none. Limit, 90 days. Forfeit, \$10. Plans and specifications filed.

NOTE—Permit reported Nov. 28, No. 2598.

## COMPLETION NOTICES

## BUILDING CONTRACTS

Contractor—A. H. Rose & Co., 525 17th Oakland.  
COST, \$500

## San Francisco County

Nov. 22, 1919—N HOWARD bet. 1st and 2nd No. 530. Frank Quimby to Adam Arras. . . . .Nov. 21, 1919  
Nov. 22, 1919—17N LOTS 6 AND 7. Frank W. Sutter Wood Box No. 2. H K Brainerd to John Morton. . . . .Nov. 20, 1919  
Nov. 22, 1919—N TWENTY-SIXTH AVE. 100 S. California, 2 1/2xW 120. Andrew Jackson to George F. Barnett. . . . .Nov. 22, 1919  
Nov. 22, 1919—N SUTTER 20-75 E Taylor 21-13x81-8. Gustave and Edw C Dietrich to H L Petersen. . . . .Nov. 22, 1919  
Nov. 26, 1919—SE MISSION 110 S 4th SW 40xSE 80. Mary M Ryan to Wegner & Blohm. . . . .Nov. 20, 1919  
Nov. 26, 1919—SW VELSH and 4th. Clara K. and Adolphine Sauto to whom it may concern. . . . .Nov. 22, 1919  
Nov. 26, 1919—N ELLIS 50 E Jones 50x50. Nettie Aronson to W C Duncan & Co. . . . .Nov. 18, 1919  
Nov. 26, 1919—N PALOU AVE. 75 W Keith. Peter and Charlotte Plummet to Antone Petersen. . . . .Nov. 26, 1919  
Nov. 26, 1919—E EIGHTEENTH AVE. 50 N Fulton N 50x32-6. Marie Fouks. . . . .Nov. 27, 1919  
Nov. 26, 1919—LOT 37. EON & Hoag's subdivision Ashbury Terrace. W. S. Oliver to D. Houle. . . . .Nov. 12, 1919

## LIENS FILED.

Nov. 12 1919—N GEARY 191-3 E Fillmore E 55xN 137-6. Wm Hennessy vs L Greenwald. . . . .\$393.55  
Nov. 15, 1919—S HILL 25 W Sanchez W 25xS 76-6. Henry Feige vs Lillie E Randolph. . . . .\$54.20  
Nov. 15, 1919—N RAYMOND AVE 50 E Rutland E 50xN 100, Blk 51, Reis Tract. Edwin O Pearson vs Thos McQuade. . . . .\$64.50  
Nov. 21, 1919—N RAYMOND AVE. 50 E Rutland E 50xN 100, block 51, Reis Tract. A Delrieux vs Thos McQuade. . . . .\$80  
Nov. 26, 1919—N FIFTEENTH 25 W Dolores W 25xN 89. James Jensen vs Shanklin Land Co. . . . .\$947

## LEASES.

## San Francisco County.

Nov. 24, 1919—S CALIFORNIA 68-9 W Steiner W 34-4xS 137-6. Elvira Hewitt to Geo D and Pearl McNamee. 5 years. \$1200.  
Nov. 24, 1919—E FORTY-SIXTH AVE 228 S Geary S 42xS 120. Clara H Wise to J I Mitrovich. 5 years. \$23 per month.  
Nov. 24, 1919—W VALENCIA bet. 23rd and 24th. E R Price to Jos Lenz and Albert J Buchner. 5 years. \$160 per month.  
Nov. 24, 1919—NO. 2213 TO 2217 BUSH near Fillmore. Mrs Emma Seelye to Mrs. E V Murphy. 2 years. \$1200.  
Nov. 24, 1919—N MCALLISTER 62-6 E Leavenworth N 117-6 N 62-6 N 20 E 137-6 S 137-6 W 75. Samuel D Gressman, 1 year. \$800 per month.  
Nov. 26, 1919—S CLEMENT 70 W 11th Ave. Jacob Weisbein and Bertha G (his wife) to Thos. E and John P. Kerwin. 5 years; \$7,200.  
Nov. 26, 1919—S SUTTER 277-6 W Powell W 60xS 137-6 W 55. Dunn to E. Curtis. 10 years; \$120,000.  
Nov. 26, 1919—SW BATTERY and Green. Battery and Green Realty Co. to Frank T. Bowers. 10 years; \$781.25.  
Nov. 26, 1919—SW BATTERY & Green. Battery Realty Co. (a corp.) to Baker Bowers Warehouse Co.; 10 years; \$22,500.  
Nov. 26, 1919—NO. 1418 GRANT AVE. Thos J. Crawford to Grampollini Co.; 5 years; \$2100.  
Nov. 26, 1919—NO. 180 ELLIS. The Ellis Street Realty Co. to Frank Holmes and Robt. Copley; 5 years; \$6,000.  
Nov. 26, 1919—W STOCKTON bet. Post and Sutter. No. 335 Stockton. Geo. E. and Michael S. Alexander to O. Delaques and Paul L. Vergne; 5 years; \$39,000.  
Nov. 28, 1919—NO. 204 EUCLID AVE. Daniel McCalligan to Jno. E. Goldan. 1 year. \$630.

## Alameda County

No.	Owner	Contractor	Amt.
3565	174th	Haff	1500
3566	Nichols	Owner	2000
3567	Swanson	Stan	5500
3568	Edie	Stewart	2000
3569	Safe Rity	Short	2800
3570	Wach	Rose	500
3571	1st M E Chr	Schmidt	740
3572	Moran	Corbett	475
3573	Lagorio	Bradhoff	1000
3574	Winphred	Pieperstock	1500
3575	Pfrang	Pfrang	2000
3576	Werner	Owner	2000
3577	Hunt	Hunt	500
3578	Sibbet	Bertelsen	2000
3579	Ikely Disp.	Cederborg	655
3580	Henlein	Livingston	638
3581	Abey	Vaughn	1990
3582	Kronenberg	Walker	5000
3583	Hanner	Ruegg	9000
3584	Ruegg	Ruegg	9000
3585	Excelsior	Excelsior	400
3586	Edie Tobacco	Olsen	825
3587	Drake	Olsen	825
3588	Gibson	Sheridan	400
3589	Druke	Westlund	7777
3590	Palmer	Wieben	3600
3591	Johnson	Johnson	400
3592	Tibbitts	McCollough	500
3593	Same	Same	1000
3594	Same	Same	3000
3595	Pkly Dev	Mason	3000
3596	Perkins	Muller	14500
3597	Heland	Heland	2500
3598	Best	Petersen	2500
3599	Le Ballister	Bigeley	2800
4000	McCarthy	McCarthy	3000
4001	Gannett	White	1600
4002	Woodard	Woodard	4000
4003	Vinson	Morris	12000
4004	Bernhardt	Bernhardt	4500
4005	Bkly Ed Ed	Conner	47250
4006	Same	Goodmundson	6811
4007	Same	Caition	5293
4008	Same	White	1600
4009	Same	Capitol Elec	3475
4010	Same	Glimme	9915
4011	Parnell	Cai Bldrs	2550
4012	Gallagher	Gallagher	1000
4013	Rose	Rodriges	3000
4014	East Bay	Rich	1000
4015	Bkly Ed Ed	Scott	8050
4016	Same	Walter	2303
4017	Dowell	Petersen	14712

DWELLING  
(3565) SE JAYNE AND CALIFORNIA  
Berkeley One-story 5-room dwlg.  
Owner—Fred Haff, 1625 Grant, Berkeley.  
Architect—None.  
Day's work. . . . .COST, \$1500

DWELLING  
(3566) N PARKER 160 E Mathew, Berkeley. One-story 5-room dwelling.  
Owner—C. S. Nichols, 6008 Foothill Blvd., Oakland.  
Architect—None.  
Day's work. . . . .COST, \$2000

DWELLING  
(3567) E SHATTUCK 125 N Marin, Berkeley. Two-story 7-room dwlg.  
Owner—H. C. Swanson, 2011 Parker, Berkeley.  
Architect—None.  
Contractor—C. M. Stan, 2019 Delaware Berkeley.  
COST, \$5500

DWELLING  
(3568) W BOSTON AVE 120 N Pleasant, Oakland. One and one-half-story 6-room dwelling.  
Owner—Fred Edge, 5607 Grove, Oakland.  
Architect—None.  
Contractor—P. Stewart, 2500 Highland Oakland.  
COST, \$2900

DWELLING  
(3569) S MONTANA 250 E Peralta Ave. Oakland. One-story 5-room dwelling.  
Owner—Safe Realty Co., Bacon Bldg., Oakland.  
Architect—None.  
Contractor—C. W. Short, 245 Acton Place, Oakland.  
COST, \$2800

ALTERATIONS  
(3570) NO. 477 SEVENTH, Oakland.  
Alterations.  
Owner—Safe Realty Co., Union Savings Bank Bldg., Oakland.  
Architect—None

ALTERATIONS  
(3571) SE TWENTY-FOURTH AND Broadway, Oakland. Alterations.  
Owner—First St. E. Church, Prem.  
Architect—None.  
Contractor—P. N. Schmidt, 565 16th, Oakland.  
COST, \$740

ALTERATIONS  
(3572) NO. 1031 BROADWAY, Oakland. Alterations.  
Owner—J. T. Moran, Premises.  
Architect—None.  
Contractor—Corbett & Bayliss, 1119 Franklin, Oakland.  
COST, \$475

WAREHOUSE  
(3573) E CLAREMONT AVE 300 N Cavour, Oakland. Two-story warehouse.  
Owner—A. Lagorio, 5854 Claremont Ave., Oakland.  
Architect—None.  
Contractor—C. O. Bradhoff, 911 55th, Oakland.  
COST, \$1000

ADDITION  
(3574) NO. 3100 PERALTA AVE., Oakland. Addition.  
Owner—G. A. Winphred, 186 Church St., San Francisco.  
Architect—None.  
Contractor—E. Pieperstock, 583 8th St., Oakland.  
COST, \$1500

DWELLING  
(3575) S CEDAR 98 E Tenth, Berkeley. One-story 5-room dwelling.  
Owner—C. J. Pfrang, 480 Forest, Okd.  
Architect—None.  
Day's work. . . . .COST, \$2000

DWELLING  
(3576) E WALLACE 70 S Ward, Berkeley. One-story 5-room dwelling.  
Owner—Chas. A. Werner, 2416 10th St., Berkeley.  
Architect—None.  
Day's work. . . . .COST, \$2000

REPAIRS  
(3577) NO. 1413 ARCH, Berkeley. Repairs.  
Owner—P. M. Hunt, 1415 Arch, Berkeley.  
Architect—None.  
Day's work. . . . .COST, \$500

REPAIRS  
(3578) NO. 73 PARKSIDE DRIVE, Berkeley. Repairs and alterations.  
Owner—G. E. Sibbet, 3034 Hillgass Ave., Berkeley.  
Architect—None.  
Contractor—S. J. Bertelsen, 565 16th, Oakland.  
COST, \$2000

GARAGE  
(3579) SE SIXTH AND UNIVERSITY Ave., Berkeley. Garage.  
Owner—Berkeley Dispensary, Arch feet—None.  
Contractor—A. Cederborg, 1445 E-37th, Oakland.  
COST, \$655

ADDITION  
(3580) NO. 2727 WOOLSEY, Berkeley. Addition.  
Owner—P. Henlein, Premises.  
Architect—None.  
Contractor—W. Livingston & Son, 2918 Ellis, Berkeley.  
COST, \$638

DWELLING  
(3581) E AYALA 190 N 56th, Oakland. One-story 4-room dwelling.  
Owner—J. M. Abey.  
Architect—None.  
Contractor—M. C. Vaughn, 5833 Ayala Oakland.  
COST, \$1990

DWELLING  
(3582) NW PROSPECT AND CAPELL Ave., Oakland. One and one-half story 7-room dwelling.  
Owner—R. F. Kronenberg, 2365 E-15th, Oakland.  
Architect—L. F. Hyde, 26th Ave., Oakland.  
Contractor—S. C. Walker, 2226 E-27th, Oakland.  
COST, \$5000

**DWELLING**  
(3552) NW EIGHTY-NINTH AVE AND  
A., Oakland. One-story 4-room  
dwelling.  
Owner—W. J. Hanner, 1307 89th Ave.,  
Oakland.  
Architect—None.  
Day's work. COST, \$1700

**DWELLINGS**  
(3584) N E-TWENTY-SIXTH 368, 402  
435 E 13th Ave., Oakland. Three one-  
story 5-room dwellings.  
Owner—Ruegg Bros., 719 Pacific Bldg.,  
San Francisco.  
Architect—None.  
Day's work. COST, \$3000 each

**WAREHOUSE**  
(3555) S LIDIA 100 E West, Oakland.  
One-story warehouse.  
Owner—Excelsior Laundry Co., 2116  
West, Oakland.  
Architect—None.  
Day's work. COST, \$400

**ALTERATIONS**  
(3586) NO. 1117 FRANKLIN, Oakland.  
Alterations.  
Owner—Oakland Tobacco Co., 5030  
Telegraph Ave., Oakland.  
Architect—None.  
Contractor—A. S. Ruch, 4820 Clark,  
Oakland.  
COST, \$475

**ADDITION**  
(3587) NO. 716 LAKESHORE AVE.,  
Oakland. Addition.  
Owner—Julius Drake, Premises.  
Architect—None.  
Contractor—Edward Olsen, Syndicate  
Bldg., Oakland.  
COST, \$825

**ALTERATIONS**  
(3588) NO. 136 THIRTEENTH, Oakland  
Alterations.  
Owner—W. E. Gibson, 13th and Mad-  
ison, Oakland.  
Architect—None.  
Contractor—Phil Sheridan, 1510 Har-  
mon, Berkeley.  
COST, \$400

**DWELLING**  
(2589) LOT 11 and PART LOT 12,  
Map Lake Shore Terrace Extension  
Tract, Oakland. All work for two-  
story and basement frame dwelling.  
Owner—R. C. Druhe, Oakland.  
Architect—Schlirmer, Bugbee & Co.,  
Thayer Bldg., Oakland.  
Contractor—Fred J. Westland, 2207  
10th Ave., Oakland.  
Filed Nov. 25, '19. Dated Nov. 25, '19.  
Frame up ..... 3/4  
Brown coated ..... 3/4  
Completed and accepted ..... 3/4  
Usual 35 days ..... 3/4  
TOTAL COST, \$777.50  
Bond, Sureties, Forfeit, none. Limit,  
90 days. Plans and specifications filed.

**DWELLING**  
(3590) NO. 1720 PEARL, Alameda.  
One-story 5-room dwelling.  
Owner—Lincoln Palmer, Premises.  
Architect—None.  
Contractor—Alex C. Wielen, 1919  
Fruitvale Ave., Alameda.  
COST, \$3600

**GARAGE**  
(3591) NO. 311 CENTRAL AVE., Ala-  
meda. Garage.  
Owner—F. H. Johnson, Premises.  
Architect—None.  
Day's work. COST, \$100

**VARNISH COOKING ROOM**  
(3592) SW ALLSTON WAY AND 3rd,  
Berkeley. One-story brick varnish  
cooking room.  
Owner—H. H. Tibbitts.  
Architect—None.  
Contractor—Henry McCullough, 1641  
Allston Way, Berkeley.  
COST, \$500

**FACTORY**  
(3593) SW ALLSTON WAY AND 3rd,  
Berkeley. Two-story paint factory.  
Owner—H. H. Tibbitts, Albany.  
Architect—None.  
Contractor—Henry McCullough, 1641  
Allston Way, Berkeley.  
COST, \$1000

**PAINT FACTORY**  
(3594) SW ALLSTON WAY & THIRD  
Berkeley. Two-story paint factory.

Owner—R. H. Tibbitts, Albany.  
Architect—None.  
Contractor—Henry McCullough, 1641  
Allston Way, Berkeley.  
COST, \$3000

**DWELLING**  
(3595) S SONOMA AVE 185 W Jose-  
phine, Berkeley. One and one-half-  
story six-room dwelling.  
Owner—Berkeley Development Co.,  
Shattuck and Addison, Berkeley.  
Architect—None.  
Contractor—Mason McDuffie Co., Shat-  
tuck and Addison, Berkeley.  
COST, \$3000

**GARAGE**  
(3596) W COLLEGE AVE 143 N Cha-  
bot Road, Oakland. One-story brick  
garage.  
Owner—Lee Perkins, 6458 Colby, Okd.  
Architect—None.  
Contractor—F. A. Muller, 805 Syndi-  
cate Bldg., Oakland.  
COST, \$14,500

**DWELLING**  
(3597) SW EVERETT & EDGEWOOD  
Ave., Oakland. One-story 6-room  
dwelling.  
Owner—Theresa E. Hetland, Box 421  
Bay Point, Cal.  
Architect—None.  
Contractor—Thos. W. Hetland, Ohio  
Apts., Oakland.  
COST, \$5000

**SHOP**  
(3598) N EDES AVE 250 W 105th  
Ave., Oakland. One-story pattern  
shop.  
Owner—Best Steel Casting Co., 105th  
Ave., Oakland.  
Architect—None.  
Contractor—George Petersen, San Le-  
andro.  
COST, \$2500

**DWELLING**  
(3599) NW FIFTY-SEVENTH AVE &  
Harmon, Oakland. One-story 6-room  
dwelling.  
Owner—Thos. W. Le Ballister, 906 E-  
12th, Oakland.  
Architect—None.  
Contractor—W. S. Bigelow, 821 13th,  
Oakland.  
COST, \$2800

**DWELLING**  
(4000) NO. 3206 HIGH, Oakland.  
One-story 6-room dwelling.  
Owner—Mabel McCarty, 1603 74th  
Ave., Oakland.  
Architect—None.  
Contractor—F. E. McCarty, 1603 74th  
Ave., Oakland.  
COST, \$3000

**APARTMENTS**  
(4001) NE LAKESHORE AND SANTA  
Ray, Oakland. Two-story 30-room  
apartments.  
Owner—Barnett & Meyerstein, 431 11th  
St., Oakland.  
Architect—None.  
Contractor—Fred W. Peters, 194 Ridge-  
way Ave., Oakland.  
COST, \$30,000

**DWELLING**  
(4002) W MERRITT AVE 250 N  
Brooklyn, Oakland. Two-story six-  
room dwelling.  
Owner—Mabel Woodward, 4025 Brigh-  
ton, Oakland.  
Architect—None.  
Contractor—E. W. Woodard, 4025  
Brighton, Oakland.  
COST, \$4000

**DWELLING**  
(4003) N RAND AVE 600 E Lake  
Park, Oakland. Two-story 18-room  
dwelling.  
Owner—B. Vinson, 400 Syndicate  
Bldg., Oakland.  
Architect—None.  
Contractor—Solomon Morris, 1507 Har-  
rison, Oakland.  
COST, \$12,000

**DWELLING**  
(4004) N NINETIETH AVE 200 S  
Dowling, Oakland. One-story two-  
room dwelling.  
Owner—H. Brough, 2218 90th Ave.,  
Oakland.  
Architect—None.  
Contractor—J. Bernhardt, 6257 Har-  
mon, Oakland.  
COST, \$450

**CARPENTER WORK**  
(4005) COR. COLUSA AVE AND TA-  
come, Berkeley. Carpenter work for  
Thousand Oaks School.  
Owner—The Board of Education of the  
City of Berkeley and of Berkeley  
School District of Alameda County,  
State of California.  
Architect—Wm. C. Hays, 1st National  
Bank Bldg., San Francisco.  
Contractor—C. W. and W. H. Conner  
(Conner & Conner), 2105 Berkeley  
Way, Berkeley.  
Filed Nov. 26, '19. Dated Nov. 12, '19.  
10th of each month ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$47,250  
Bonds, \$23,800 and \$23,800. Surety,  
National Surety Co. Limit 150 days.  
Forfeit, plans and specifications, none.

(4006) ROOFING & SHEET METAL  
work on above.  
Contractor—A. K. Goodmundson, 565  
16th St., Oakland.  
Filed Nov. 26, '19. Dated Nov. 15, '19.  
Payments same as above .....  
TOTAL COST, \$6811  
Bonds, \$3500 and \$3500. Surety, Globe  
Indemnity Co. Limit, 40 days. For-  
feit, plans and specifications, none.

(4007) PLUMBING ON ABOVE.  
Contractor—Thos. R. Catton, 3097 Tele-  
graph Ave., Berkeley.  
Filed Nov. 26, '19. Dated Nov. 12, '19.  
Payments same as above .....  
TOTAL COST, \$5259.99  
Bonds, \$2750 and \$2750. Surety, Fidelity  
& Casualty Co. Limit, 60 days.  
Forfeit, plans and specifications, none.

(4008) MASONRY WORK ON ABOVE.  
Contractor—Milton J. White, 2300 Mil  
Glor (White & Glor), Monadnock  
Bldg., San Francisco.  
Filed Nov. 26, '19. Dated Nov. —, '19.  
Payments same as above .....  
TOTAL COST, \$1600  
Bonds, \$900 and \$900. Surety, Ameri-  
can Indemnity Co. Limit, 30 days.  
Forfeit, plans and specifications, none.

(4009) ELECTRICAL WORK ON  
above.  
Contractor—Capitol Electric Co., 2468  
Shattuck Ave., Berkeley.  
Filed Nov. 26, '19. Dated Nov. 12, '19.  
Payments same as above .....  
TOTAL COST, \$3475  
Bonds, \$1900 and \$1900. Surety,  
Limit, forfeit, plans and specifications,  
none.

(4010) LATH AND PLASTER ON  
above.  
Contractor—T. Glimme, 4048 Brown.  
Filed Nov. 26, '19. Dated Nov. 14, '19.  
Payments same as above .....  
TOTAL COST, \$9915  
Bonds, \$4375 and \$4375. Surety, Natio-  
nal Surety Co. Limit, forfeit, plans  
and specifications, none.

**DWELLING**  
(4011) W LEE 120 S Ashby Ave., Ber-  
keley. One-story 5-room dwelling.  
Owner—C. F. Parnell, 1534 Franklin,  
Oakland.  
Architect—None.  
Contractor—California Builders Co.,  
1534 Franklin, Oakland.  
COST, \$2950

**ADDITION**  
(4012) NO. 66 PANORAMIC WAY,  
Berkeley. Addition.  
Owner—John D. Gallagher, 2241 Durant  
Ave., Berkeley.  
Architect—None.  
Contractor—Harvey Grant, —, Addison,  
Berkeley.  
COST, \$1000

**DWELLING**  
(4013) W FIFTH AVE 200 N E-  
12th, Oakland. One-story 5-room  
dwelling.  
Owner—Dan Rose, Oakland.  
Architect—None.  
Contractor—J. Rodrigues, 1409 47th  
Ave., Oakland.  
COST, \$3000

**ALTERATIONS**  
(4014) NO. THIRTY-FIRST, Oak-  
land. Alterations.  
Owner—East Bay Sanatorium, 31st St.  
and Telegraph Ave., Oakland.  
Architect—None.  
Contractor—James L. Rich, 947 42nd,  
Oakland.  
COST, \$1000

**HEATING**  
(4015) COR. COLUSA AVE & TACOMA  
Berkeley. All work for heating for  
Thousand Oaks School.  
Owner—The Board of Education of the  
City of Berkeley and of Berkeley  
School District of Alameda County  
State of California.  
Architect—Wm. C. Hays, 1st National  
Bank Bldg., San Francisco.  
Contractor—Scott Co., 331 11th St.,  
Oakland.  
Filed Nov. 23, '19. Dated Nov. 21, '19.  
On 10th of each month..... 75%  
Usual 35 days.....  
TOTAL COST, \$3050  
Bonds, \$4500 and \$4500. Surety, New  
Amsterdam Casualty Co. Limit, as  
soon as possible. Forfeit, none. Plans  
and specifications, none.

(4016) SHADES AND LINOLEUM ON  
above.  
Contractor—D. N. & E. Walter Co.,  
Stockton and O'Farrell, S. F.  
Filed Nov. 23, '19. Dated Nov. 15, '19.  
Payments same as above.  
TOTAL COST, \$2303  
Bonds, \$1500 and \$1500. Surety, Na-  
tional Surety Co. Limit, 15 days. For-  
feit, plans and specifications, none.

**DWELLING**  
(4017) LOT 1 BLK 14, Map Lakeshore  
Highlands, Oakland. All work except  
painting, heating, shades, electric  
fixtures and garbage container, range  
and hood for two-story and basement  
dwelling and garage.  
Owner—W. J. Dowell, 559 Valle Vista  
Ave., Oakland.  
Architect—Albert Farr, 68 Post St.,  
San Francisco.  
Contractor—Alfred Petersen, 3918 Lin-  
wood Ave., Oakland.  
Filed Nov. 23, '19. Dated Nov. —, '19.  
Approval of bills.....  
TOTAL COST not over, \$14,712; contrac-  
tor to get \$550.  
Bond, none. Limit, 120 days. Forfeit,  
\$10. Plans and specifications filed.

## COMPLETION NOTICES

### Alameda County

Nov. 14, 1919—SE FORTY-SEVENTH  
AND 38 SW Melrose SW 40xSE 70  
110, Okd. Sophia Kappeler to J T  
Walden.....Nov. 6, 1919  
Nov. 14, 1919—CAPTUS MILLS "D" L-  
H E Mills Co., Inc. to H I  
Kyle.....Nov. 11, 1919  
Nov. 14, 1919—NE EVERETT AVE  
388 SE 12th Ave SE 42x20 E 105 40  
NW 34x95 SW 105 40, Okd. Robert  
Land to whom it may concern.....  
Nov. 12, 1919  
Nov. 17, 1919—LOT 32 BLK 1 and W  
Lake Shore Park Heights, Okd.  
Katharina Swanson to California  
Builders Co.....Oct. 20, 1919  
Nov. 17, 1919—LOT 32 BLK 1 and W  
Lake Shore Park, Piedmont. Wil-  
liam J Baker to whom it may con-  
cern.....Nov. 19, 1919  
Nov. 19, 1919—PT 25x125 SW Cor  
Sixth and Clay W 75x58 SW, Okd. F  
W Maurice vs H Newman and  
Korn (Newman & Korn).....\$2500  
Nov. 15, 1919—E VERNON 100 S  
Santa Rosa Ave E 132x58 55, Okd.  
Zenith Mill & Lumber Co. \$182.28  
G S Philbrick, 828 vs Alva F Page  
and S A Greene.....  
Nov. 24, 1919—LOT 10, PERRIER  
Tract, being 571 38th St. Oakland.  
G W Keeler to M C Vaughn.....  
Nov. 25, 1919—SIXTEENTH ST.  
Station, Okd. Southern Pacific  
Railway to A C Wacker. Nov. 17, 1919  
Nov. 25, 1919—(1) LOT 12 and NE  
1/4 Lot 11; (2) Lot 16 and SW 1/4  
Lot 17; (3) Lot 18 and NE 1/4 Lot  
17, Blk 2 Map Havenscourt, Okd.  
Havenscourt Co to C B Deuble.....  
Nov. 22, 1919

Nov. 26, 1919—W EUCLID AVE, 250  
S Palm, Oakland. Samuel Lichten-  
stein to whom it may concern.....  
Nov. 26, 1919—BOUNDED BY FOOT-  
hill Blvd, Hillside St, 72nd Ave,  
Garfield St and 65th Ave, Oakland.  
Chevrolet Motor Co. of California  
to American Marble and Mosaic Co.  
.....Nov. 21, 1919  
Nov. 21, 1919—LOTS 39 AND 40,  
Blk A, Map Melrose Station Tract,  
Oakland. George W. Kaiser to  
whom it may concern.....Nov. 18, 1919  
Nov. 21, 1919—N FORTIETH ST,  
255 75 W Telegraph Av. W 64x110  
Oakland. R. E. Vinson to Solomon  
Morris.....Nov. 19, 1919  
Nov. 28, 1919—NW 250 PT. of 100 V  
Blk. 320. Southern Pacific Co. to  
Frederick D. Boese.....Nov. 25, 1919  
Nov. 28, 1919—NW 250 PT. of 100 V  
Blk. 320. Southern Pacific Co. to  
Frederick D. Boese.....Nov. 21, 1919  
Nov. 28, 1919—PT 80 S of SE 1 St  
and center E Castro St 150, S  
470, E 170, N 400. Pacific Gas &  
Electric Co. to Duncanson-Harrel-  
son Co., Inc.....Nov. 24, 1919  
Nov. 26, 1919—2040 SANTA  
Clara Ave, Alameda. J F Moser to  
Conrad Roth.....Nov. 22, 1919

## BUILDING CONTRACT EXTENSION.

### Alameda County.

Nov. 24, 1919—Southern Pacific Rail-  
way Company with A. Wacker.  
Extended 20 days from Nov. 10, 1919,  
for painting and decorating interior  
of Sixteenth St. Station.

## LIENS FILED.

### Alameda County

Nov. 10, 1919—SE MILLS AVE 40-8  
from SW Porrest SW 40xSE 70,  
C B Duels vs E T Lesure  
and Walter H Esemann.....\$96  
Nov. 10, 1919—E FILBERT 95 81  
7th S 100xSE 125, Okd. James Ca-  
hill & Co vs John Perof, Frank  
Marino and H F Jenkins.....\$206.34  
Nov. 6, 1919—W STANTON 49 82  
Ashby W 100xS 40, Berkeley. J J  
H Kruse vs H Nielson and Milton  
Schroeder.....\$116.54  
Nov. 26, 1919—N E TWENTY-  
fourth 125 W 13th Ave. W 75xN 150  
Oakland. J Knoke vs T. W.  
Hicks and M. E. Hicks and Peter  
Saloner, H. E. MacArthur.....\$70  
Nov. 26, 1919—SW E-FOURTEENTH  
97 W 58th Ave SW 1918 NW 121 49  
NE to E-14th St. NE 127 46, Okd.  
Sunset Lumber Co vs Leo J and  
Joseph B Ruegg (Ruegg Bros) and  
G H and Helen D Umben.....\$935.64  
Nov. 28, 1919—S ARKANSAS 155 W  
Curran Ave. S 100xW 40, Oakland.  
R A Miller vs L D Way and Mar-  
shal E. Hopper.....\$97.80  
Nov. 28, 1919—S FAIR OAKS ST. 140  
F Caroline Co. Lot 40x100, Alame-  
da. Bay Wrecking Co. vs C. A.  
Gwynn and A W. Copps.....\$29.50

## BUILDING CONTRACTS.

### Santa Clara County.

**RESIDENCE**  
HAWTHORNE WAY, San Jose. Seven-  
room residence.  
Owner—C. J. Hinds, 74 N-First St., San  
Jose.  
Architect—None.  
Contractor—V. F. Van Dalsam, 239  
Hawthorne Way, San Jose.  
.....COST, \$9500  
**SHEDS**  
FOURTH AND KEYES STS., San Jose.  
Curing sheds.  
Owner—Peterson Kartchoke Brick Co.,  
Premises.  
Architect—None.  
Day's work.....COST, \$3000  
**ADDITION**  
NO. 698 N-SECOND ST., San Jose. Ad-  
dition.  
Owner—Francesco Silvestri, Premises.  
Architect—None.  
Contractor—D. Cartosani, San Jose.  
.....COST, \$1500

**COTTAGE**  
DELMAS AND SAN SALVADOR STS.,  
San Jose. Six-room cottage.  
Designer—E. Ariana.  
Contractor—C. Ricca, 271 S-Augustine  
St., San Jose.  
.....COST, \$5000

**ALTERATIONS**  
COR. Santa Clara and Third Sts., San  
Jose. Alterations.  
Owner—I. O. O. F. Premises.  
Architect—Wolfe & Higgins, Auzeiras  
Bldg., San Jose.  
Contractor—Z. O. Field, Builders' Ex-  
change, San Jose.  
.....COST, \$3900

**ALTERATIONS**  
S FIRST near San Carlos St., San Jose.  
Alterations.  
Owner—Binder & Boschen.  
Architect—Binder & Curtis, Binder  
Block, San Jose.  
Contractor—Z. O. Field, Builders' Ex-  
change, San Jose.  
.....COST, \$5000

**COTTAGE**  
NO. 431 S-THIRTEENTH, San Jose.  
Five-room cottage.  
Owner—S. D. Williams, 341 S-15th St.,  
San Jose.  
Architect—None.  
Day's work.....COST, \$3750

**COTTAGE**  
EIGHTH AND SAN SALVADOR STS.,  
San Jose. Six-room cottage.  
Owner—H. A. Bridges, 725 S-7th St.,  
San Jose.  
Architect—None.  
Day's work.....COST, \$4000

**COTTAGE**  
NO. 431 S-THIRTEENTH ST., San Jose.  
Six-room cottage.  
Owner—Valerie Mason.  
Designer—A. M. Whiteside.  
Contractor—A. M. Whiteside, 71 S-19th  
St., San Jose.  
.....COST, \$5500

**ADDITION**  
WILLIAM AND MINOR STS., San  
Jose. Addition and repairs.  
Owner—Aly. Thrift.  
Architect—None.  
Contractor—E. E. Weldon.  
.....COST, \$1400

## BUILDING CONTRACTS.

### Fresno County.

**GARAGE**  
PART BLK 390, Fresno. Garage.  
Owner—J. B. Hill Co., 1618 "H" St.,  
Fresno.  
Architect—None.  
Contractor—A. Allen, 259 Blackstone  
St., Fresno.  
.....COST, \$12,000  
**FRAME DWELLING**  
LOT 6 BLK 2, Alta Vista Tct., Fresno.  
Frame dwelling.  
Owner—Al. Watson, 633 "O" St., Fresno  
Architect—None.  
Contractor—H. Dickey, 150 Howard  
St., Fresno.  
.....COST, \$4500

**FRAME DWELLING**  
LOTS 37 AND 38 BLK 11, College Ad-  
dition, Fresno. Frame dwelling.  
Owner—B. P. Stone.  
Architect—None.  
Contractor—A. Nicholson, 903 Palm St.,  
Fresno.  
.....COST, \$5000

**FRAME DWELLING, ETC.**  
LOT 8 BLK 30, Alta Vista, Fresno.  
Frame dwelling and garage.  
Owner—G. E. Grimes.  
Architect—None.  
Contractor—L. E. Buckmaster, Fresno.  
.....COST, \$3500

**FRAME DWELLING & GARAGE**  
LOT 5 BLK 1, Mt. Olive, Fresno. Frame  
dwelling and garage.  
Owner—J. B. Nelson, 848 Roosevelt  
St., Fresno.  
Architect—None.  
Day's work.....COST, \$3950  
**FRAME DWELLING**  
LOTS 1 AND 2 BLK 1, Central Park,  
Fresno. Frame dwelling.

Owner—E. B. Jensen, 928 Wilson St., Fresno.  
Architect—None.  
Day's work. COST, \$3,900

FRAME DWELLING, ETC.  
LOT 7 BLK 14, Alta Vista Tct, Fresno.  
Frame dwelling and garage.  
Owner—E. Beecham, 2523 Mariposa St., Fresno.  
Architect—None.  
Day's work. COST, \$5,000

DWELLING  
LOT 3 BLK 12, Hazelwood, Fresno.  
Frame dwelling.  
Owner—Reese & Atkins, 3643 Platt St., Fresno.  
Architect—None.  
Day's work. COST, \$3,000

FRAME DWELLING  
LOTS 24 AND 25 BLK 2, Palm Villa Tract, Fresno. Frame dwelling and garage.  
Owner—E. M. Kaufeld, 3444 Lowe St., Fresno.  
Architect—None.  
Day's work. COST, \$4,000

DWELLING  
BUENA VISTA TCT., lot 1 and 2, blk. 1, Fresno. Frame dwelling.  
Owner—B. F. Willick, 633 Echo, Fresno.  
Architect—None.  
Day's work. COST, \$2,800

DWELLING & GARAGE  
LOTS 10 AND 11, BLK 20, Arlington Heights, Fresno. Frame dwelling and garage.  
Owner—W. E. Warner, Fresno.  
Architect—None.  
Day's work. COST, \$3,000

DWELLING  
LOT 32, EAST ELMHURST, Fresno.  
Frame dwelling.  
Owner—A. M. Chitty, 320 Poplar St., Fresno.  
Architect—None.  
Day's work. COST, \$4,000

DWELLING AND GARAGE  
LOT 10, BLK 1, Woodlawn, and lots 5 and 6, blk. 20, North Park Terrace, Fresno. Two frame dwellings and garages.  
Owner—Chess & Peterson, Fresno.  
Architect—None.  
Day's work. COST \$6,000 each.

DWELLING  
LOTS 14 AND 15, BLK. 3, Leona Heights, Fresno. Frame dwelling.  
Owner—R. C. Kennedy, 1025 N St., Fresno.  
Day's work. COST, \$2,500

DWELLING  
LOTS 11 & 12, BLK. 20 Arlington Heights, Fresno. Frame dwelling.  
Owner—N. E. Wilkinson, Fresno.  
Architect—None.  
Day's work. COST, \$2,000

DWELLINGS  
LOT 6, BLK. 22, Hazelwood, Fresno.  
Two frame dwellings.  
Owner—E. R. Morris, 2031 Lewis, Fresno.  
Architect—None.  
Day's work. COST, \$3,450 each

DWELLING  
LOT 3, BLK 1, Bartlett Heights, Fresno. Dwelling.  
Owner—A. D. Powell, 3048 Belmont, Fresno.  
Architect—None.  
Contractor—Power & Nichols, Fresno.  
COST, \$2,000

DWELLING & GARAGE  
LOT 12 BLK 18, Hazelwood, Fresno.  
Frame dwelling and garage.  
Owner—K. Douglass, Fresno.  
Architect—None.  
Contractor—Reese & Atkins, 3643 Platt, Fresno.  
COST, \$4,000

DWELLING  
LOT 10, BLK. 19, Hazelwood, Fresno. Frame dwelling.  
Owner—Carl C. Larsen, Fresno.  
Architect—None.  
Contractor—R. Pedersen Co., 446 Clark St., Fresno.  
COST, \$5,000

DWELLING & GARAGE  
NO. 1408 WHITE AVE., Fresno. Frame

dwelling and garage.  
Owner—W. H. Kite, 1404 White, Fresno.  
Architect—None.  
Contractor—Dan Blosser, 3212 El Monte, Fresno.  
COST, \$13,000

ADDITION  
NO. 1845 CHERRY AVE., Fresno. Addition.  
Owner—Western Pipe & Steel Co., Fresno.  
Architect—None.  
Day's work. COST, \$2,000

REPAIRS  
NO. 1918 MARIPOSA ST., Fresno. Repairs.  
Owner—Mrs. L. Skelly, Fresno.  
Architect—None.  
Day's work. COST, \$3,000

ALTERATIONS  
BLK. 16, HAZELWOOD ADD, Fresno. Alterations.  
Owner—Frank Helm, Fresno.  
Architect—None.  
Contractor—E. J. Farr, 245 Fortcamp, Fresno.  
COST, \$2,000

#### COMPLETION NOTICES.

##### Fresno County.

Recorded Nov. 24, 1919 — Accepted  
Fresno County, Tranquillity Union High School District to whom it may concern. Nov. 22, 1919  
Nov. 20, 1919—LOTS 4 AND 5 BLK 11, Fresno Heights No. 2, Fresno. C. E. Brogdon to whom it may concern. Nov. 20, 1919  
Nov. 21, 1919—LOTS 7 AND 8 BLK 5, College Addition, Fresno. J. A. Caples to whom it may concern. Nov. 18, 1919

#### BUILDING CONTRACTS.

##### Sacramento County.

ALTERATIONS  
NO. 316 "L" ST., Sacramento. Alter restaurant.  
Owner—Frank Husick, Clarksburg.  
Architect—None.  
Contractor—P. F. Reed, 2545 28th St., Sacramento.  
COST, \$2,500

GARAGE  
NO. 1616 "K" ST., Sacramento. Fire-proof public garage.  
Owner—R. Grimshaw, 1808 10th St., Sacramento.  
Architect—None.  
Day's work. COST, \$10,500

ALTERATIONS  
NO. 827 "K" ST., Sacramento. Alterations to store.  
Owner—Hale Bros., Premises.  
Architect—None.  
Contractor—Thibault & Bender, North Sacramento.  
COST, \$30,000

FRAME RESIDENCE  
NO. 2013 "Q" ST., Sacramento. Two-story frame residence.  
Owner—E. Harr, 1617 7th St., Sacramento.  
Architect—None.  
Contractor—J. A. Saunders, 2810 "I" St., Sacramento.  
COST, \$10,550

REPAIRS  
NO. 810 SECOND ST., Sacramento. Repairing factory.  
Owner—Capital Candy Co., Premises.  
Architect—None.  
Contractor—Mathews Constr. Co., 1013 Forum Bldg., Sacramento.  
COST, \$35,000

STORE  
NO. 604 "J" CT., Sacramento. Store building.  
Owner—C. R. Nathan, Hotel Sacramento, Sacramento, Calif.  
Architect—None.  
Contractor—Siller Bros., 1614 13th St., Sacramento.  
COST, \$75,000

ALTERATION  
"J" CT. 6TH AND 7TH, Sacramento. Alterations to store.  
Owner—C. P. Nathan, Sotel Sacramento, Sacramento.

Architect—None.  
Contractor—Siller Bros., 1614 13th St., Sacramento.  
Filed Nov. 24, '19, Dated Nov. 15, '19.  
COST, \$11,965

RESIDENCE  
NO. 2918 FORTIETH, Sacramento. One-story and basement frame five-room residence.  
Owner—S. H. Phillips, 4104 4th Ave., Sacramento.  
Architect—None.  
Contractor—H. J. Goethe, 720 Capitol Bank Bldg., Sacramento.  
COST, \$1500

MILL  
NO. 413 "X" ST., Sacramento. Mill.  
Owner—W. O'Neill, 1511 16th St., Sacramento.  
Architect—None.  
Contractor—G. W. Kopp, 1514 15th St., Sacramento.  
COST, \$4,000

REMODEL  
NO. 812 "K" ST., Sacramento. Remodel billiard room.  
Owner—L. Caen, 1404 "P" St., Sacramento.  
Architect—None.  
Contractor—J. A. McCollough, 1015 23rd, Sacramento.  
COST, \$1,000

REPAIRS  
NO. 3135 SIERRA WAY, Sacramento. Repair fire damage.  
Owner—C. H. Hannum, Golden Eagle Hotel, Sacramento.  
Architect—None.  
Contractor—H. Chatterton, 3162 Sierra Way, Sacramento.  
COST, \$2,100

REMODEL  
NO. 3133 FIRST AVE., Sacramento. Remodel building.  
Owner—H. W. M. Ogg, 3309 First Ave., Sacramento.  
Architect—None.  
Contractor—P. F. Reed, 2545 28th, Sacramento.  
COST, \$1,000

ADDITION  
NO. 2915 THIRTY-FIFTH, Sacramento. Addition to store.  
Owner—H. De Loss, Modesto, Calif.  
Architect—None.  
Day's work. COST, \$1,000

#### COMPLETION NOTICES.

##### Sacramento County.

Recorded Nov. 21, 1919—SACRAMENTO (Steel foundry building S. P. Yard), Sacramento. S P R R Co to H W Johns-Manville Co. Nov. 1, 1919

#### LIENS FILED.

##### Sacramento County.

Recorded Amount  
Nov. 26, 1919—NO. 620 "K" ST. on W 1/2 of E 1/2, lot 3, "K", "L", 6th and 7th, Sacramento. Chas. Van Heil vs. Kate Turtion ..... \$2101.25

#### BUILDING CONTRACTS.

##### San Joaquin County.

ALTERATIONS  
COR. UNION AND CHURCH STS., Stockton. Remodel building.  
Owner—D. De Pasto, Stockton.  
Architect—None.  
Day's work. COST, \$1,000

SHOP  
COR. FREMONT AND AURORA STS., Stockton. Shop.  
Owner—H. J. Fischer, 446 N-Aurora St., Stockton.  
Architect—None.  
Day's work. COST, \$1,000

RESIDENCE  
OAK ST., bet. Baker and Stockton Sts., Stockton. Residence and garage.  
Owner—Arthur Paulson, Stockton.  
Architect—None.  
Day's work. COST, \$4,500

**GARAGE**  
**AFROKA ST.**, bet. Main and Market  
 Sts., Stockton. Garage.  
 Owner—Mike Dentoni, 519 California  
 St., Stockton.  
 Architect—None.  
 Day's work. COST, \$12,000

**STORES AND FLATS**  
**PARK AND OPHIR STS.**, Stockton.  
 Stores and flats.  
 Owner—T. M. Gianelli, 1315 E. Park,  
 Stockton.  
 Architect—None.  
 Day's work. COST, \$10,000

**DWELLING AND GARAGE**  
**LOMATA AVE.**, Stockton. Frame  
 dwelling and garage.  
 Owner—H. E. Allen, Stockton.  
 Architect—None.  
 Day's work. COST, \$3300

**ADDITION**  
**JACKSON'S ADDITION**, Stockton. Ad-  
 dition to residence and garage.  
 Owner—C. Olsen, Five Mile House,  
 Lower Sacramento Road, Stockton.  
 Architect—None.  
 Day's work. COST, \$2100

**ADDITION**  
**FREMONT AND SUTTER STS.**, Stock-  
 ton. Addition.  
 Owner—W. R. Thresher, 343 E-Fre-  
 mont, Stockton.  
 Architect—None.  
 Day's work. COST, \$1050

#### BUILDING CONTRACTS.

##### San Clara County.

**DWELLINGS**  
**WILLIAM ST.**, San Jose. All work for  
 three dwellings.  
 Owner—L. B. Dugdale, 130 Hawthorne  
 Way, San Jose.  
 Architect—Binder & Curtis, 257 S 1st,  
 San Jose.  
 Contractor—P. T. Jorgensen, 44. Naglee,  
 San Jose.  
 Filed Nov. 26, '19. Dated Nov. 22, '19.  
 Frame up ..... 25%  
 Brown coated ..... 25%  
 Completed ..... 25%  
 Usual 35 days ..... 25%  
 TOTAL COST, \$13,013  
 Bond, \$6900. Sureties, Chas. W. Brown  
 and G. C. Schuttler. Forfeit, none. Lim-  
 it, 90 days. Plans and specifications  
 filed.

**DWELLING**  
**GILROY, Calif.** All work for 1½ story  
 dwelling.  
 Owner—C. W. Crusoe, Gilroy.  
 Architect—H. C. Kidder, 2077 Addison,  
 Berkeley.  
 Contractor—Wm. Radtke, San Jose.  
 Filed Nov. 18, '19. Dated Nov. 12, '19.  
 For labor and materials furnished  
 each Saturday night.  
 Remainder 35 days after completion.  
 TOTAL COST, \$4700  
 Bond, \$2350. Sureties, A. W. Cox and  
 Central Lumber Co. Forfeit, none.  
 Limit, 75 days from Nov. 13. Plans  
 and specifications filed.

#### COMPLETION NOTICES.

##### San Joaquin County.

Recorded Nov. 28, 1919—S WEST-CHURCH ST.  
 opp. Stockton St. and bet. S. P.  
 spur track and Yosemite St., Stock-  
 ton. National Paper Products Co.  
 to MacDonald & Kahn. Nov. 26, 1919

#### COMPLETION NOTICES.

##### San Clara County.

Recorded Nov. 26, 1919—BERRYESSA ROAD,  
 near San Jose. V Nola to J A  
 Wagner. Nov. 17, 1919  
 Nov. 26, 1919—NO. 86 80, TWELFTH  
 St., San Jose. Mrs. M. J. Norton  
 to Al Compton Nov. 22, 1919

#### LIENS FILED.

##### San Clara County.

Nov. 28, 1919—ALEXANDER ST., Gil-  
 roy. Central Lumber Co. and G. A.  
 Chappell & Co., Gilroy vs. Rosa S.  
 Ferreirinha, \$171.19 and 40.50 res-  
 pectively.

#### BRIDGE BIDS OPENED.

**LOS ANGELES, Cal.**—The following  
 bids were received by the Board of Su-  
 pervisors of Los Angeles County Flood  
 Control District for the construction of  
 three steel and timber bridges over the  
 silt diversion channel at Long Beach,  
 plans for which were prepared by J. W.  
 Reagan, Chief Engineer Flood Control  
 District.

Seventh street bridge, 41-ft. spans:  
 Pennsylvania Bridge Co., Beaver Falls,  
 Penn., Item 5, structural steel, fabricat-  
 ing and placing, \$159.90 per ton, total  
 for 700 tons more or less, \$11,193; Item  
 No. 6, for 1144 ft. guard rail, at \$6.75  
 per ft. in place, \$7722; total, \$118,915.  
 C. W. Beverstok, 3710 South Alameda  
 St., Item No. 5, \$146.50 per ton, \$102,550  
 Item No. 6, \$6 per ft. \$6864; total, \$109,  
 414.

Seventh street bridge, 25-ft. spans—  
 Pennsylvania Bridge Co., Item No. 5,  
 230 tons structural steel in place com-  
 plete, \$159.90 per ton, \$36,784; C. W.  
 Beverstok, Item No. 5, \$160 per ton;  
 total, \$36,800.

Anaheim street bridge, 40-ft. spans—  
 Pennsylvania Bridge Co., Item No. 5,  
 190 tons, structural steel in place com-  
 plete, \$29,260; Item No. 6, 1144 lin. ft.  
 pipe guard rail at \$6 per ft, \$6864, total,  
 \$36,124; C. W. Beverstok, Item No. 5,  
 \$27, 170; Item No. 6, \$4290, total, \$31,460  
 Mercereau Bridge & Construction Co.,  
 40-ft. spans, Item No. 1, 1400 cu. yds.  
 Class C excavation, \$11,550; Item No.  
 2, 3000 cu. yds. Class D excavation, \$12,-  
 000; Item No. 3, driving 203 creosoted  
 piles, \$3,857; Item No. 4, for about 65,750  
 cu. ft. of creosoted lumber, \$1972.50; Mer-  
 cereau Bridge & Construction Co., 25-ft.  
 spans; Item No. 1, 420 cu. yds. Class C  
 excavation, \$5766.60; Item No. 2, 3000  
 cu. yds. Class D excavation, \$12,000;  
 Item No. 3, for driving 104 creosoted  
 piles, \$1976; Item No. 4, 39,400 ft. lum-  
 ber, \$1063.80; Item No. 5, 111,700 ft. un-  
 treated lumber, \$1787.20; total, \$22,-  
 593.60.  
 Ocean Blvd. Bridge; C. W. Beverstok,

Item No. 4, for 596 tons structural steel  
 in place complete, \$143 per ton, \$85,228;  
 Item No. 6, 1716 lin. ft. sherardized iron  
 pipe railing, \$5.50 per ft., \$9438; total,  
 \$94,666; the Pennsylvania Bridge Co.,  
 Item No. 5, \$157.50 per ton, \$94,748;  
 Item No. 6, \$6.50 per ft., \$11,154; total,  
 \$105,898.

Ross Construction Co., Sacramento,  
 Item No. 2, 32,000 cu. yds. Class D ex-  
 cavation, 22c cu. yd., \$6,820; Item No. 3,  
 driving about 436 piles, \$20 each, \$8720;  
 Item No. 4, 142,000 ft. creosoted lumber,  
 \$40 per M, \$5680; total, \$21,220.

The Foundation Company of San  
 Francisco submitted a proposal for con-  
 struction of three bridges at cost plus  
 8%.

The bids were referred to J. W. Rea-  
 gan, Chief Engineer of the Flood Con-  
 trol District.

#### CONTRACTS AWARDED FOR SAN FRANCISCO STREET IMPROVEMENT.

Wolfe Street bet. Francisco and  
 Isabel, by the construction of an 8-in-  
 ch., vitrified, salt-glazed, ironstone  
 pipe sewer, brick catchbasins, concrete  
 curbs, artificial stone sidewalks and an  
 asphalt pavement. Awarded to Flinn &  
 Treacy, Cal Bldg., for \$1,514.10.

Improvement of 27th, 28th, 29th 30th,  
 31st, 32nd, 33rd and 34th Avenues bet.  
 Taraval and Ulloa Streets by grading,  
 construction of concrete curbs, an as-  
 phaltic, vertical fiber, vitrified brick  
 and asphaltic concrete pavements,  
 brick gutters, etc. Awarded to The  
 Fay Improvement Co., Phelan Bldg.,  
 for \$64,774.80.

#### HANFORD PLANS PAVING.

HANFORD, Kings Co., Cal.—In re-  
 sponse to a petition presented by prop-  
 erty owners the City Council has  
 ordered the improvement of Ninth  
 street from Irwin street to the west  
 city limits. The street will be im-  
 proved with a four inch base and a  
 1½-in. bitulithic wearing surface.

It was reported at the Council meet-  
 ing that petitions asking the improve-  
 ment of Phillips street between Sev-  
 enth and Ninth streets and Eighth  
 street west of Redington, were being  
 prepared for presentation to the Coun-  
 cil.

#### PLANS FOR BARRACKS UNDER WAY.

WASHINGTON, D. C.—Plans for the  
 erection of barracks at Ft. Huachuca, H. T.,  
 to house 300 marines are being prepared  
 by the Bureau of Yards and Docks,  
 Navy Department, Washington, D. C.,  
 and a call for bids will be issued  
 within the next few weeks.

The work is provided for under spe-  
 cification 4086.

Telephone Douglas 5114

## Valley Tie & Lumber Co.

Manufacturers and Wholesalers

## Pacific Coast Lumber Products

General Office: Eugene, Oregon

S.F. Office: 401 Balboa Bldg.

F. S. NOLAND, Resident Manager

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

### JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

### Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock  
Doors, Sash Frames and Mouldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

### FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member

Insurance Brokers Exchange

### HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLACK  
AROMATIC-RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
OREGON MAPLE-PLAIN OAK  
QUARTERED OAK-  
W/3/DOCK-BENDING OAK  
POPLAR-WALNUT



BOXWOOD-EBONY-IRONBARK  
JENISERO-KOA-SPANISH CEMAR  
LIGNUMVITAE-MAHOAGARY  
ROSEWOOD-TEAK-RED BEAN  
SPOTTED GUM-CROSIAN WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
W/2/DO VENEERS-PANELS  
DOWELS-SCREENS-VEINERS

### WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

### PIERCE-BOSQUIT Abstract & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

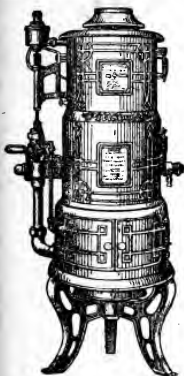
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2873

Publication Office  
560 Mission Street

San Francisco, Cal., December 10, 1919

Published Every Wednesday  
Nineteenth Year, No 50



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

## PITTSBURG WATER HEATER CO.

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze Will not exude

Will not give off noxious gases

No thawing

No leaking

No headaches

California Trojan Powder Company

Pheasant Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

Frank J. Klimm  
PLUMBER

221 Oak Street

Bet. Gough and Octavia

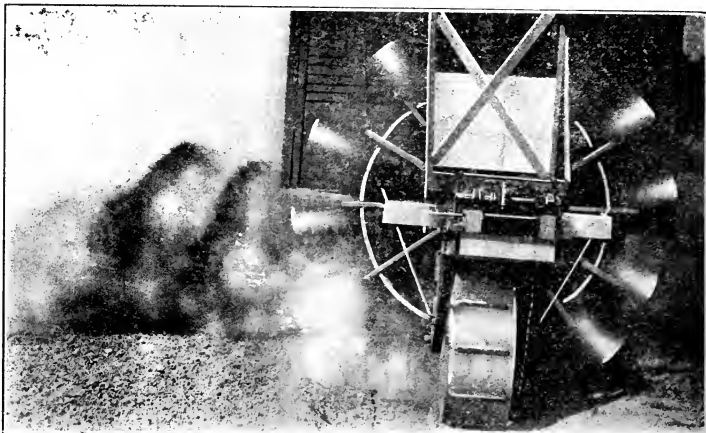
San Francisco

## DRAIN DITCHES

### MACHINE

in  
Action  
cutting  
drainage  
ditch  
without  
embankment

Leaving land free  
to be cultivated up  
to edge of drain  
ditch. Capacity of  
Machine will depend  
largely on charact-  
er of soil, but under  
ordinary  
circumstances  
it will handle  
from 200 to 300  
cubic yards  
per hour



HARTSOUGH ROTARY DITCHER

For Full Particulars Address

# Volute Ditching Machine Co.

404 Wells Fargo Express Bldg.

SAN FRANCISCO, CAL.

## IRRIGATION DITCHES.

Machine will cut  
an irrigation ditch  
to a true hydraulic  
form and by the  
simple application  
of a striking board  
is enabled to deposit  
the excavated mate-  
rial on the bank at  
the edge of the cut  
or leave as much of  
a berm as is desired.  
Wide ditches as well  
as narrow ones can  
be cut economically  
with this machine.

## ROAD CONSTRUCTION

Machine can be  
used by the Road  
Contractor in many  
different instances,  
as its ability to kick  
a lot of dirt out of  
the way in a short  
time will make it in-  
valuable where cuts  
must be disposed of  
over the road side,  
whether this be up  
or down; it should  
also prove a great  
money saver on road  
drainage ditches.

## OPERATING COSTS

Machine uses Gas  
or Kerosene for fuel  
and requires about  
2½ gallons per hour.  
Cost of Lubricating  
Oils is about half of  
the fuel cost. Two  
men can operate the  
Machine, one must  
be a gas engine man  
and the other a  
laborer, and Machine  
can be operated as  
well at night as in  
daylight.

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
550 Mission Street.  
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEAD-QUARTERS.

The Chicago Chapter of the American Association of Engineers announces that plans are completed for its share in the national membership drive of the American Association of Engineers for ten thousand new members during the first two weeks in December.

The quota of the Chicago Chapter is 2,500 new members.

The loop district of Chicago has been divided into fifteen sections, each of which is in charge of a team of nine salesmen. Each engineering office and each engineer in each of these subdivisions of the loop have been listed and assigned to individual team members. Every professional engineer—civil, electrical, mechanical, mining, chemical, architectural, and every architect will be urged to join the chapter. Engineers in outlying districts will be personally solicited by members of the thirty-five other teams organized for the purpose.

Mr. Isham Randolph consulting engineer of Chicago, who built the Chicago Drainage Canal, is the referee of the drive. The following other eminent engineers of Chicago are on the executive committee to handle the drive for the chapter: W. H. Finley, president, C. & N. W. Ry., Chicago; Harold Almert, consulting engineer, Chicago; Edmund T. Perkins, consulting engineer, president, National Drainage Congress, Chicago; Bion J. Arnold, consulting engineer, Chicago; H. H. Bartlett, chief engineer Illinois State Public Utilities Commission; Garrison Babcock, consulting telephone engineer, Chicago; Robert Randolph, consulting engineer, Chicago, and John Ericson, consulting engineer, Board of Public Works, Chicago.

Following a favorable vote on the part of the Idaho Society of Engineers for affiliation with the American Association of Engineers, the executive committee of the society resolved on November 16 to amalgamate with the American Association of Engineers under the title of the "Idaho Society of Engineers, Chapter of the American Association of Engineers."

Attention of editors of technical publications is directed to Senate bill 2597, providing for a department of public health. The bill authorizes a secretary of public health; a first assistant secretary, who shall be a man trained in medical science and emi-

nent as an authority on public health and sanitation problems"; a second assistant secretary, who shall be "a man expert in the science of vital statistics and public health"; a third assistant secretary, who shall be "a woman trained in the science of medicine or nursing and of public health."

Without entering into the discussion of the necessity and desirability of a department of public health, it seems necessary that such a department should be provided with an engineer trained and experienced in sanitary engineering. The problems of sanitary work are less medical than engineering. This lack in the law should be pointed out to engineers. The American Association of Engineers in pursuance of its policy to give attention to legislation affecting engineers, is conferring with prominent sanitary engineers of the country in regard to the bill's lack of provision for sanitary engineering services.

Doctor F. H. Newell, president of the American Association of Engineers, addressed the Boston Chapter of A. A. E. on November 17. Doctor Newell addressed the students of Sheffield Scientific School and the engineers of New Haven at the North Sheffield Hall, New Haven, on November 21.

The membership of the American Association of Engineers on November 26 was 9,021.

## HIGHWAY MAINTENANCE.

### VII.

By G. M. N.

In the issue of October 8th of this paper we wrote:

"The soil in the rice section is of a character that requires a different treatment when building the subgrade and base of a highway from the one which it has gotten up to date. Fifteen years ago we required in our specifications for **four-inch concrete sidewalks** that wherever **dobe** soil was encountered the contractor should excavate said **dobe** from 2 to 6 inches and replace the same with sand or gravel so as to prevent the swelling of the **dobe** from pulling the concrete all to pieces. What should be done to the subgrade when it is of the kind of soil prevailing in the rice sections? It should receive **heroic** treatment. For the traffic closely resembles the traffic on Fifth avenue, New York."

That we are not alone in our opinion

that different soils should receive different treatment has been very much emphasized at a recent meeting of the "American Road Builders' Association," who reached a unanimous decision at the recent meeting against the adoption of an exclusive type of foundation for trunk line highways augurs well for the common sense treatment of our highway problems," comments George C. Diehl, County Engineer of Erie County, New York, and chairman both of the A. A. A. Good Roads Board and of the Good Roads Committee of the New York State Motor Federation.

"This action was that of men having practical knowledge of road building matters and took into account the fact that local conditions involving the availability of material, the character of the soil, the drainage facilities and other governing factors, might dictate in one case a wholly different type of foundation from that which would be found suitable in another case. In the discussion numerous examples were cited of roads constructed on telford, macadam, cement concrete and asphaltic concrete foundations, which had stood unharmed the severest tests of modern day traffic.

"The larger question which this discussion emphasized is that with our 2,500,000-odd miles of roads, our 3,000,000 square miles of area and our 105,000,000 population we must utilize every means of making our highway systems serve the most tonnage, the greatest number of people and the largest possible number of needs. We must build some highways wider and some thicker than others; whenever possible we must use local material and conserve every dollar's worth of improvements already made, and we must avoid jumping at conclusions based upon new and plausible theories as contrasted with fully ascertained facts.

"There is no wholesale method of determining types, materials of construction, cross-sections, etc., but every single section must be designed to meet its own particular needs."

The above quotation is recommended to the men responsible for the universal misuse of the four-inch concrete slab on our highways here in California, for there certainly has been enough money spent on makeshift road construction, and it is about time that a halt was called and some foresight and study applied to the road problems here, both county and state. We can all agree that road construction has just started in the United States

and that all short freight hauls will be made with motor trucks over county and state roads built with the proceeds from long-term bond issues.

The motor truck has proven its efficiency for this kind of work and will continue its successful development, and the roads must follow suit and must be built to suit traffic conditions and not some whim of some office-bred engineer, who never gave a serious thought to actual conditions under which the business life of the nation is being lived.

#### AN EDITOR WHO MADE MONEY.

A man tells of a village editor who started poor twenty years ago and has retired with the comfortable fortune of \$50,000. This money was acquired through industry, economy, conscientious efforts to give full value, indomitable perseverance and the death of an uncle who left the editor \$49,999.50.

#### ELKS TO HOLD MEMORIAL SERVICES.

San Francisco Lodge No. 3 of the Benevolent and Protective Order of Elks will hold its annual memorial services at the Columbia Theatre next Sunday at 10:30 A. M. These memorial service for the dead members of the order are an institution and are held by every lodge throughout the Jurisdiction on the first Sunday of December.

San Francisco Lodge No. 3 has prepared a most impressive program with the best musical talent that is available. Paul Steindorff will be the leader of the orchestra and the numbers will include an instrumental solo by Doctor Carlos de Mandil Trio, a baritone solo by Jean Edwin Cowles, a duet "Come Ye Disconsolate" by Clare Harrington and James E. Driscoll, and a solo "Ava Maria" by Miss Irene Meusdorffer, accompanied by Guylla Ormay.

The services will be under the direction of Exalted Ruler Oliver D. Flahavan and the officers of the lodge. The memorial oration will be pronounced by Attorney Edwin J. Hanson.

The members of the lodge will meet at the Club Rooms, 540 Powell Street, and will march in a body to the theatre, lead by the drill team.

#### COST OF BUILDINGS IN 1918.

The United States Geological Survey, Department of the Interior, announces the publication of a report on building operations in the larger cities of the United States in 1918. This report shows the cost of such work in a large number of cities of the country for ten years and contains a diagram showing the great decrease caused by war conditions. It also shows the cost of buildings in these cities by character of buildings—that is, wooden, brick, stone, concrete, or steel skeleton buildings—and the cost of additions, alterations, and repairs, by classes of buildings. A copy of this report may be obtained by applying to the Director, United States Geological Survey, Washington, D. C.

#### NOVEMBER BUILDING ACTIVE.

Building operations during the month of November show the expenditure of \$1,191,910 in construction for new buildings and alterations to standing structures, according to figures compiled by Chief Inspector of Building John F. Horgan of the Board of Public Works. These figures are based on the number of building permits issued, which totaled 426.

A segregated list of the improvements follows:

Class	No. of Bldgs.	Cost
"E"	4	\$ 288,120
"C"	11	241,200
Frames	94	441,070
Alterations	315	241,520
Public Buildings	2	40,000

Total 426 \$1,191,910

For the same period during the year, 1918, the figures were 164 permits granted with a total of \$136,987.

#### THE UNITED STATES HAS MANY TENANTS.

Fewer than 6,000,000 American families own their own homes, 2,000,000 are carrying mortgages and 11,000,000 are renters. Every seven years, one-third of the population of the City of New York applies for charity. One person in every ten who dies in our large cities is buried in a pauper's grave, according to Government figures.

#### SAN FRANCISCO LOSES BIG EXPORT BUSINESS.

Nearly \$9,000,000 worth of export business was lost to the part of San Francisco during the month of October by reason of the strike of riggers and stevedores, according to figures compiled by the San Francisco Chamber of Commerce.

The total value of imports at this port during October was \$19,464,867, as against \$14,909,644 for October of 1918.

#### SAN JOAQUIN COUNTY SUPERVISORS ACTIVE FOR SETTLEMENT COLONY.

STOCKTON, San Joaquin Co., Cal.—At the last meeting of the County Supervisors a resolution was passed pledging their active support and cooperation in securing the third state land settlement colony for San Joaquin county. The Board extended an invitation to the members of the state land settlement board to visit the prospective sites in San Joaquin county. Eugene D. Graham is County Clerk.

SACRAMENTO, Cal.—Governor William D. Stephens today announced the appointment of the following delegates to the national rivers and harbors congress to be held in Washington, D. C., December 9, 10, and 11:

R. Stanley Dollar, A. M. Newhall, J. R. Hanfly, Alfred Greenebaum, James Tyson, John H. McCallum, H. H. Sanborn, all of San Francisco; Maynard McPhe, J. B. Lippincott, C. M. Gordon, L. E. Dockweiler, Percy H. Clarke, H. Hawgood, T. E. Gibbon, all of Los Angeles; William Kettner and G. A. Davidson of San Diego; Joseph E.

Caine, Edison F. Adams, J. F. Carlston, H. C. Capwell, all of Oakland; D. S. Wassermann, Sacramento; William P. Dwyer of Sacramento, and J. M. Perry of Stockton.

#### BAFFLE WALL RECONSTRUCTION CONTRACT AWARDED.

SAN FRANCISCO.—The Board of Fire Commissioners has awarded a contract to J. H. Eisenbach for the reconstruction of baffle walls, etc., on the batteries of Pumping Station No. 1, he being low bidder as follows:

Prop. No. 1	\$199.48
Prop. No. 2	No bid
Item No. 1	\$11.50
Item No. 2	9.00
Items No. 3 and 4	72.50
Item No. 5	25.00

Frank T. Kennedy is Secretary of the Board of Fire Commissioners.

#### STOREHOUSE AND MACHINE SHOP CONTRACT AWARDED.

ELY, White Pine Co., Nevada.—The County Supervisors, F. D. Oldfield, County Clerk, have awarded a contract to O. M. Wallace Jr., Ely, Nevada, for the erection and completion of a county storehouse and machine shop to be erected at the County Courthouse grounds, he being low bidder at \$2,825.00. Other bids were:

G. M. Weller, Ely, 2,539

Andrew Hexem, Ely, 2,850

Plans were prepared by W. E. Meyers of Ely.

#### ALASKA ENGINEERING COMMISSION WANTS BIDS.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, Bell Street Dock, Seattle, up to December 15th, 11 A. M., for furnishing, free of all charges, delivered on Pier in Seattle, Wash., to be designated later, packing, pipe cutters and wheels, copper tubing, copper paint, flue cleaners, track jacks, key stock, repair parts for Jordan Spreader and Bucyrus steam shovel, locomotive driving wheel tires, brake shoes, nails, plow steel cable, taper pins, "Falls Hollow" staybolts, garbage cans, peavies, shovels, waste, files, belt lacing, ship augers, pipe and fittings, manila rope, oilers, grease cups, carpet tacks, slip scrapers, fresnos, and Pyle electric headlights and parts.

C. E. Dole is General Purchasing Agent.

#### HARBOR COMMISSIONERS TO PURCHASE LUMBER IN OPEN MARKET.

SAN FRANCISCO.—The State Board of Harbor Commissioners, Frank G. White, Chief Engineers, has decided to purchase all necessary lumber for use on the waterfront in the open market, the contract for same having expired.

#### SCHOOL BONDS.

FRESNO, Fresno Co., Cal.—Bids will be received by D. M. Barnwell, County Clerk, up to January 6th, 1920, 2 P. M., for the purchase of the \$15,000 bond issue of the Claremont School District. Proceeds of the sale will finance construction of an addition to the new school building, for which Ernest Kump, Rowell Bldg., Fresno, prepared plans.

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

Plans Prepared.  
**APARTMENTS** Cost, \$—  
**VALLEJO**, Solano Co., Georgia Street  
 bet. Colusa and Glenn Streets.  
 Three-story apartments (24 2 and 3-  
 room apts.)  
 Owner—Wright & Wheaton.  
 Architect—Not Given.  
 Each apartment is to contain a wall  
 bed, hardwood floors, cabinet kitchen,  
 buffet and built-in book cases.

Plans Being Figured.  
**APARTMENTS** Cost, \$25,000  
**SAN FRANCISCO**, Union near Taylor.  
 Three-story frame apartments (6 4-  
 room apartments).  
 Owner—Withheld.  
 Architect—Henry C. Smith, Humboldt  
 Bank Bldg., San Francisco.

Plans Being Prepared.  
**APARTMENTS**  
 Cost, \$11,000 and \$25,000 respec-  
 tively.  
**OAKLAND**, Alameda Co., Cal. Forty-  
 first Street near Grove.  
 Two-story frame apartments (8 3-room  
 apts.) also on same lot two-story  
 frame (4 flats).  
 Owner—Withheld.  
 Designers—Hutchinson & Mills, Al-  
 bany Block, Oakland.

Plans Being Prepared. Ready for Fig-  
 ures Next Week.  
**APARTMENTS** Cost, \$24,000  
**OAKLAND**, Alameda Co., Cal. Tele-  
 graph Avenue near 40th Street.  
 Two-story frame (8) apartments.  
 Owner—Withheld.  
 Designers—Hutchinson & Mills, Albany  
 Block, Oakland.

Plans Being Prepared.  
**ALTERATIONS** Cost, \$15,000  
**OAKLAND**, Alameda Co., Cal.  
 Alter two-story frame apartments.  
 Owner—Withheld.  
 Architect—Hamilton Murdock, 915  
 Syndicate Bldg., Oakland.

Plans to be Prepared.  
**ADDITION** Cost, \$25,000  
**FRESNO**, Fresno Co., Cal. No. 1205 "P"  
 Street.  
 One-story brick addition to present one  
 story apartment house, 50x150 (10  
 additional apartments).  
 Owner—Edward Hertweck, 1031 "Q"  
 St., Fresno.

Plans Being Prepared.  
**APARTMENTS** Cost, \$15,000 to \$20,000  
**OAKLAND**, Alameda Co., Cal. Adams  
 Point Property.  
 Two-story frame apartments (2 4-room  
 and 1 6-room apts.)  
 Owner—Withheld.  
 Architect—Wm. E. Milwain, Albany  
 Bldg., Oakland.  
 Plans will be ready for figures in  
 about a month.

Plans Being Prepared.  
**APARTMENTS** Cost, \$90,000  
**SAN FRANCISCO**, Near Civic Center.  
 Six-story Class "C" apartment house  
 (30 2-room apts.)  
 Owner—Withheld.  
 Architects—Welsh & Carey, Merchants  
 National Bk. Bldg., San Francisco.

#### BANKS

Contracts Awarded.  
**BANK** Cost, \$34,272  
**LOS BANOS**, Merced Co., Cal.  
 Fireproof bank building, 50x72.  
 Owner—First National Bank of Los  
 Banos.

Architect—Frank Mayo, Farmers' &  
 Merchants' Bank Bldg., Stockton.  
 General Contractors—Mayo, Schutes &  
 Zinck Co., Stockton.

The following sub-contracts have  
 been awarded by the general contrac-  
 tors.

**Plumbing** to Trueblood Bros., Madera.  
**Mech.**—Joseph Musto Sons-Keenan  
 Co., San Francisco.

**Tile**—Stockton Tile Co., 414 E-Market  
 St., Stockton.

**Mill Work, Carpentry, Concrete and  
 Ornamental Iron Work**—Schutes &  
 Zinck Co., Stockton.

**Roofing**—Johns-Manville Co., San  
 Francisco.

**Plastering**—Perry Bros., Stockton.

Plans Prepared.  
**BANK & STORE** Cost, \$—  
**LOS ANGELES**, Hollywood Blvd and  
 McCadden Place.  
 One-story brick bank and store build-  
 ing, 74x100.  
 Owner—G. D. Robertson.  
 Lessee—Citizens Trust and Savings Bk.  
 Architect—H. J. Knauer, 1138 Story  
 Bldg., Los Angeles.

Plans Being Prepared.  
**BANK AND OFFICE** Cost, \$100,000  
**SAN PEDRO**, Los Angeles Co., Cal.  
 Two-story and basement class "B"  
 bank and office building, 50x100.  
 Owner—First National Bank of San  
 Pedro.

Architect—Edelman & Barnett, 826 H.  
 W. Hellman Bldg., Los Angeles.

Marble Contract Awarded.  
**ALTERATIONS** Cost, \$45,000  
**SAN FRANCISCO**, NE Market and  
 Sansome Streets.  
 Extensive interior alterations (bronze  
 marble and cabinet work).  
 Owner—Anglo California Trust Co.,  
 Premises.

Architect—H. H. Winner, Humboldt  
 Bank Bldg., San Francisco.

Marble work awarded to The Ameri-  
 can Marble & Mosaic Co., 25 Columbia  
 Square. Contract price about, \$14,000.  
 Contracts for the bronze, cabinet  
 work, etc., will be let in a few days.

Plans Being Prepared.  
**ALTERATIONS** Cost, \$25,000  
**MARYSVILLE**, Yuba Co., Cal. No. 212  
 "D" Street.

Alter two-story bank building (new  
 granite, glass, bronze, etc.)

Owner—Decker-Jewett Bank, Premises  
 Architects—Welsh & Carey, Merchants  
 National Bk. Bldg., San Francisco.

#### BONDS

**ARCADE SCHOOL DISTRICT**, Sacra-  
 mento, Cal.—An election to vote on the  
 question of issuing and selling bonds  
 of \$20,000 with which to finance con-  
 struction of a 2-room and auditorium  
 school building is planned by the  
 Trustees of the Arcade School District.  
 sketches for the proposed structures  
 have been prepared by Architect Fran-  
 cis W. Reid, Oschner Bldg., Sacra-  
 mento. Trustees of the District are: Mrs.  
 W. T. Phipps, George W. Filcher and  
 F. A. Trimble.

**MARTINEZ**, Contra Costa Co., Cal.—  
 Bids will be received by the County  
 Supervisors, J. H. Wells, County Clerk,  
 up to December 22nd, for the purchase  
 of the \$125,000 bond issue of the Al-  
 hambra Union High School District.  
 Proceeds of the sale of the bonds will  
 finance construction of a new high  
 school building, plans for which are  
 being completed by Architect A. A.  
 Cantlin, 68 Post Street, San Francisco.

**CHICO SCHOOL BOND SALE INVALID**  
**OROVILLE**, Butte Co., Cal.—Owing  
 to an error in calling bids for the pur-  
 chase of the \$440,000 issue for the  
 proposed Chico High School the County  
 Supervisors will call new bids. The  
 premium offered under the last sale  
 was \$6,898.

Plans for the proposed structure  
 have been completed by Architects  
 Woollett & Lamb, Physicians Bldg.,  
 Sacramento.

**PITTSBURG**, Contra Costa Co., Cal.—  
 Meetings are being held urging the  
 calling of an election to vote bonds of  
 \$315,000 with which to finance the im-  
 provement of streets, sewers and water  
 works, Town Hall and library build-  
 ings.

**MARYSVILLE**, Yuba Co., Cal.—The  
 proposition to vote bonds of \$138,000  
 for a new high school building and  
 \$156,000 for grammar school improve-  
 ments failed to carry at a recent elec-  
 tion.

Plans for the proposed improvements  
 were in the hands of Architect W. H.  
 Weeks, 75 Post St., San Francisco.

**PIEDMONT**, Alameda Co., Cal.—Be-  
 fore a bond election can be called to  
 secure funds with which to erect a  
 new high school building, it will be  
 necessary to have an election provid-  
 ing for the formation of a district to  
 be known as the Piedmont Union High  
 School District. It is planned to erect  
 a structure costing \$250,000.

**SANTA BARBARA**, Cal.—The \$440,-  
 000 bond issue for new grade schools  
 failed to carry at the special election  
 November 28.

**VISITACION**, San Mateo Co., Cal.—

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill. ....	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago .....	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago .....	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago.....	TREASURER
C. E. DRAYER .....	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng., Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry. Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

### San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co. ....	THIRD VICE-PRESIDENT

#### EXECUTIVE COMMITTEE

J. H. Knowles.....W. F. P. R. R.
F. Johnston, Union Const. Co.
L. D. Howland.....C. C. Moore Co.
I. G. Grundel.....Union Oil Co.

#### AUDITING COMMITTEE

T. H. Brown.....S. P. R. R.
E. B. Crane.....C. M. & P. S. Ry.
P. J. Rowell.....I. C. C.

#### COMPENSATION COMMITTEE

G. M. Nelson.....Consulting Eng.
E. V. Vandercook.....S. P. R. R.
W. T. Cleland.....Chief Dep. Sur. Santa Clara Co.
V. D. Cousins.....P. T. & T. Co.

#### FELLOWSHIP COMMITTEE

W. H. Rupp.....S. P. R. R.
EMPLOYMENT REPRESENTATIVE

#### MEMBERSHIP COMMITTEE

D. L. Reynolds.....Pac. Fruit Ex. Co.
J. Amweg.....Consulting Eng.
W. H. Rupp.....S. P. R. R.
E. D. Brown.....Redwood Mfg. Co.
Clarence D. Stone.....S. P. Co.
A. B. Hartley.....S. P. Co.
H. W. Shrieber.....City of Oakland.
F. E. Gelbel.....S. P. Co.
C. E. Newberry.....Inter. Com. Com.
J. F. Johnston.....Union Const. Co.
E. V. Vandercook.....S. P. Co.

#### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....S. P. Co.
O. R. West.....A. T. & S. F. Co.
W. S. Wollner.....N. W. P. Co.

#### QUALIFICATION COMMITTEE

W. H. Phelps.....S. P. Co.
O. R. West.....A. T. & S. F. Co.

#### PUBLICITY COMMITTEE

E. D. Brown.....Redwood Mfg. Co.
G. M. Nelson.....Consulting Eng.

#### POLITICAL COMMITTEE

E. H. Herbert.....Oliver Mfg. Co.
-----------------------------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHAPTERS & CLUBS:

#### SACRAMENTO CHAPTER

Lathrop, H. A.....Secretary
1321 Thirty-third St.,
Sacramento - - - California

#### LOS ANGELES CHAPTER

Harris, A. L.....Secretary
1104 Central Building
Los Angeles - - - California

#### PORTLAND CHAPTER

Barnes, R. W.....Sec. & Treas.
36 Union Station
Portland - - - Oregon

#### FRESNO CHAPTER

Jean L. Vincenz.....Secretary
P. O. Box 922
Fresno - - - California

#### SAN DIEGO CHAPTER

Grumm, Fred.....Secretary
2898 Spruce Street
San Diego - - - California

#### SAN BERNARDINO CLUB

Woods, M. A.....Secretary
608 Tenth Street
San Bernardino - - - California

#### EUREKA CLUB

Howard, F. W.....Secretary
Eureka - - - California

The County Supervisors, Elizabeth M. Nash, County Clerk, have sold the \$23,000 bond issue of the Visitation School District at a premium of \$230.

Plans for the proposed one-story frame school, to be erected under the proceeds of the sale, have been prepared by Architect Ernest Norberg, 742 Market Street, San Francisco.

**BAKERSFIELD.** Kern Co., Cal.—The McFarland School District will vote December 29 on issuing \$26,000 bonds for a new building. The trustees are: F. R. Blickenstaff, P. L. Hingley and Mrs. S. A. Simpson.

**STOCKTON.** San Joaquin Co., Cal.—The County Supervisors have been asked to meet with the Stockton City School Board and discuss a proposed bond issue to secure funds with which to finance construction of new schools and additions to the present structures. Ansel S. Williams is City Superintendent of Schools.

**WHITTIER.** Los Angeles Co., Cal.—Until 7:30 P. M., December 15, bids will be received by the City Trustees for the purchase of \$362,614 bonds voted to increase the present city water supply and extensions and improvements to the municipal water system. J. B. Lippincott, Central Bldg., Los Angeles, is the engineer.

**ELK GROVE.** Sacramento Co., Cal.—December 2001 is the date set to decide the question of issuing and selling bonds of \$175,000 with which to finance construction of a new high school building. The structure is made necessary owing to increased attendance at the present school.

Geo. C. Sellon, 1005 8th St., Sacramento, is the architect.

**SANTA CLARA.** Santa Clara Co., Cal.—Steps are being taken for the consolidation of the Meridian, Miliken, Jefferson, Agnew, Midway and Santa Clara School Districts, in order to secure the erection of adequate buildings and equipment. Agnes E. Howe is County Superintendent of Schools.

**PETALUMA STREET BONDS CARRY.** PETALUMA, Sonoma Co., Cal.—The bond issue for \$50,000 to finance the improvement of Main and Third streets carried at a recent election.

**SACRAMENTO.** Cal.—No bids were received by City Treasures W. E. Holmes for the purchase of the \$18,000, 000 filtration bond issue. It is probable that the bonds will be sold by private sale.

**SEASIDE.** Ore.—The City Council is planning an election to vote bonds for the following projects:

Building of Pier leading into the Pacific Ocean for a distance of 2000 ft. Estimated cost, \$55,000.

Concrete Bulkhead and Boulevard along ocean 7200 ft. Estimated cost, \$85,000.

Building of Street to be known as "Roosevelt Drive." Estimated cost, \$78,000.

Installation of a modern fire alarm system (Cost not yet determined).

Should the bonds be voted plans for the work will be rushed to completion by City Engineer L. C. Rogers.

**MODESTO.** Stanislaus Co., Cal.—The State Bond Commission has approved the bond issue of some \$5,400,000 of the Modesto and Turlock Irrigation District. Don Pedro Irrigation project. Some \$800,000 of the issue is for the building of a power plant in conjunction with the irrigation enterprise to furnish power and light to the farmers in the two districts.

With the bonds approved the Don Pedro project will now go ahead with its preliminaries, one of which will be the calling of a special election forthwith to vote upon the issue. The Modesto and Turlock districts are building the project together. It will be to supplement the present capacities of the district so as to furnish water by impounding more of the flood waters all the year round. Three years will be required to complete the enterprise.

**ANTIOCH.** Contra Costa Co., Cal.—Bonds to finance the construction of a new sewer in "F" street were voted at an election held recently.

## CHURCHES

Working Drawings Being Prepared. Ready for Figures in About Three Weeks.

**CHURCH.** Cost, \$100,000  
**ALAMEDA.** No. 1913 San Antonio Ave. Reinforced concrete church (Mission style).

Owner—St. Joseph's Catholic Church. (Rev. J. E. Fraught, Pastor).  
Architects—W. D. Shea and Henry A. Minton, 244 Kearny St., San Francisco.

Plans Being Prepared. Cost, \$30,000  
**BURBANK.** Los Angeles Co., Cal. Frame and plaster church.  
Owner—First Methodist Episcopal Church.

Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., L. A.

Plans to be Prepared. Funds Being Raised.

**SYNAGOGUE.** Cost, \$—  
**FRESNO.** Fresno Co., Cal. Jewish synagogue.  
Owner—Temple Ben Israel (Rabbi Segal in charge).  
Architect—Not Yet Selected.

Plans Being Prepared. Cost, \$25,000

**CHURCH.** LOMPOC, Santa Barbara Co., Cal. Brick church. 35x135 (500 seats).  
Owner—Church of the Immaculate Conception.

Architect—A. C. Martin, Higgins Bldg., Los Angeles.

Plans Being Prepared. Cost, \$16,000

**CHURCH.** MADERA, Madera Co., Cal. Church building. 65x80.  
Owner—First Methodist Episcopal Church. Rev. Bruce, Pastor.  
Architect—Not Given.

Plans Being Prepared. Cost, \$—

**CHURCH BLDG.** DUNSMITH, Siskiyou Co., Cal. Church Community Center building. (will contain gymnasium, club rooms and swimming pool).  
Owner—Methodist Church of Dunsmuir. Rev. U. L. Walker, Pastor.  
Architect—Not Given.

## FACTORIES & WAREHOUSES

Segregated Figures Being Taken.  
**BRICK BUILDING.** Cost, \$25,000  
**SAN FRANCISCO.** China Town. Three-story brick building.  
Owner—Withheld.  
Architect—Wm. Wilde, Nevada Bank Bldg., San Francisco.

Plans Being Prepared. Cost, \$—

**FACTORY.** LOS ANGELES, Cal. First Street East of Alameda Street.

Reinforced concrete factory buildings (boiler house, machine shop and distillery buildings).

Owner—Los Angeles Soap Co.  
Architects—Morgan, Walls & Morgan, 1120 Van Nuys Bldg., Los Angeles.

Plans Being Prepared. Cost, \$—

**ELEVATOR.** STOCKTON, San Joaquin Co., Cal. Reinforced concrete grain elevator.  
Owner—Sperry Flour Co.  
Architect—Maurice Couchot, 110 Sutter St., San Francisco.

Plans will not be ready for figures for about six weeks.

**SEAATTLE.** Wash.—Harrington Peters Co., Seattle, submitted the low bid to the Port of Seattle Commission, Bell Street Docks, Seattle, for the construction of 500 feet of the north transit shed on Pier B at Smith's Cove, the bids being for Plan A, \$129,000, this for additional posts in second floor, roof girders and a different type of column cap and base; Plan B, \$124,200.

The structure will be a two-story heavy timbered building, 118 feet in width. Plans were prepared by Chief Port Engineer George Nicholson.

**SAN JOSE.** Santa Clara Co., Cal.—The erection of five new reinforced concrete and steel plants is planned by the California Prune and Apricot Growers' Association, Market and San Antonio streets, San Jose.

Packing plants will be erected at Visalia, Tulare County; Hanford, Kings County; Santa Paula, Ventura County; Sunnyvale, Santa Clara County, and possibly a plant at Napa, Napa County. The erection of a box factory and shipping department building is planned for the main plant in San Jose.

Plans for the work will be prepared by Engineers Wallace & Bush, Bank of San Jose Bldg., San Jose.

Contract Awarded. Cost, \$21,500

**WAREHOUSE.** SAN FRANCISCO. W Howard Street, bet. 12th and 13th Streets. One-story brick warehouse, 120x148.

Owner—John Ponningsen.  
Architect—T. Patterson Ross, 310 California St., San Francisco.  
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

Contract Awarded. Cost, \$25,000

**ALTERATIONS.** Exclusive of Equipment.  
**SEATTLE.** Wash. Rainier Blvd. at Georgetown.

Remodel building for soft drink plant. Owner—Rainier Brewing & Malting Co., Premises.

Architect—Carl Siebrand, Northern Life Bldg., Seattle.

Contractor—Sound Construction Co., Lowman Bldg., Seattle.

Concrete Work Being Figured. Carpentry and Masonry to be Figured Next Week.

**ADDITION** COST, \$—  
SAN FRANCISCO. Second and Bryant Streets.

Five-story mill construction with steel tower addition to lithograph plant also a steel and concrete press room building, 80x125, in rear.

Owner—Schmidt Lithograph Co., Prem. Manager of Construction—Frederick Whitton, 369 Pine St., San Francisco.

Preliminary Plans Being Prepared.  
MFG. PLANT. Cost, \$30,000  
NEAR SAN FRANCISCO. Bay District One-story reinforced concrete manufacturing plant.

Owner—Withheld.  
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.

Ready For Figures in About Three Weeks.

**FACTORY** Cost, \$100,000  
EMERYVILLE, Alameda Co., Cal. Two-story brick factory building.  
Owner—American Rubber Co., 356 Market St., San Francisco.  
Architect—Washington J. Miller, 417 Market St., San Francisco.

Plans Being Prepared.  
COLD STORAGE PLANT Cost, \$—  
PITTSBURG, Contra Costa Co., Cal. Fourth and Black Diamond Sts.

Two-story and basement reinforced concrete market, cold storage and ice manufacturing plant, 72x150.  
Owner—A Partnership Composed of C. Lepori, Oakland; Carlo Lepori, 1st National Bank of Pittsburgh; A. C. Cardinale, Pittsburg butcher and capitalist, and F. Iacona.  
Architect—Italo Zanolini, 604 Montgomery St., San Francisco.

**WAREHOUSE, ETC.**  
Total Cost, \$250,000.  
SAN JOSE, Santa Clara Co., Cal. North First Street adjoining S. P. Railroad.

Two-story and basement reinforced concrete cold storage and warehouse buildings.

Owner—Security Warehouse & Distributing Co., J. Q. Patton, Mgr., 14th and Keys Sts., San Jose.  
Designer and Engineer—Jas. T. Ludlow, 604 Mission St., San Francisco.  
Contractor—Frank L. Hoyt, San Jose.  
Mr. Hoyt's contract is for concrete and carpentry work.

Figures will be taken on the balance of the work later.

PLACENTIA, Orange Co., Cal.—Shepherd & Hamm, Central Bldg., Pasadena are preparing plans for a steel, concrete and hollow tile packing house, 100x127 feet, to be erected at Placentia for the Placentia Mutual Orange Association. There will be a basement with three sweating rooms and the structure will have a Colonial front. Shepherd & Hamm will also erect the building on a percentage basis.

OAKLAND, Cal.—Articles of incorporation have been filed with the County Clerk, George E. Gross, by the Niedringhaus Metalware Corporation capitalized at \$1,200,000. The erection of a modern plant for the manufacturer new company, of which the following

of automobile bodies, airplane and automobile accessories, is planned by the are members:

Warne Niedringhaus and Thomas Connors of St. Louis, and H. A. King of San Francisco.

The new firm is located in the warehouse of the Western Steel Packag Co., Foot of Webster St., Alameda.

MODESTO, Stanislaus Co., Cal.—Following bids were received by the County Supervisors for the construction of a galvanized iron warehouse at the northwest corner of the County Hospital lot:

A. P. Koch, San Francisco.....\$3,340  
Cotton Macauley Co., S. F. .... 4,396  
George J. Ulrich, Modesto ..... 4,170  
Tuolumne Lumber Co., Modesto, 5,500

The contract was awarded to the Tuolumne Lumber Co. H. Benson is County Clerk.

Plans Prepared.  
**WAREHOUSE** Cost, \$60,000  
LOS ANGELES, Cal. No. 1335 South Figueroa Street.

Six-story Class "A" warehouse, 58x100.  
Owner—Bekins Fireproof Storage Co., Premises.  
Architect—Ed. T. Flaherty, 1065 Normandie Ave., Los Angeles.

Contract Awarded.  
**WAREHOUSE** Cost, \$25,000 approximately.

OAKLAND, Alameda Co., Cal. Eighth Street near Oak.  
Two-story reinforced concrete warehouse.

Owner—Oakland Tribune.  
Architect—Ed. T. Fonlkes, Crocker Bldg., San Francisco.  
Contractor—Jas. H. Pedgrift, 565 16th St., Oakland.

## FIREHOUSES AND JAILS

SACRAMENTO, Cal.—Commissioner of Public Health and Safety G. C. Simmons has recommended to the city commission that the old fire house on Second street, which for many years has housed engine company No. 1, be rebuilt.

## GARAGES

To be Done by Days Work.  
**SERVICE STATION** Cost, \$5,500  
SAN FRANCISCO. SW Geary Street and Twelfth Avenue.

One-story frame and plaster battery service station.

Owner—Withheld.  
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Segregated Figures Being Taken.  
**GARAGE** Cost, \$12,000  
SAN FRANCISCO. S. Clement W of Eleventh Avenue.

One-story reinforced concrete and steel garage.

Owner—Withheld.  
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Prepared.  
**GARAGE** Cost, \$—  
SAN BERNARDINO, Cal. "E" St. near Fourth.

One-story and basement brick garage, 50x125.

Owner—W. Swan.  
Architect—Howard E. Jones, 404 Katz Bldg., San Bernardino.

Contract Awarded. Excavating Started  
**GARAGE** Cost, \$10,000  
HANFORD, Kings Co., Cal. West Sixth Street.

One-story concrete block garage, 75x100.

Owner—Hanford Mercantile Co.  
Lessee—Wm. Goodall, Hanford.  
Architect—Not Given.

Carpenter work awarded to E. G. Washburn; Floors to Odell-Cortright Co. and the concrete block work to Fred W. Waechter, all of Hanford.

Plans Prepared.  
**GARAGE** Cost, \$—  
ROSS, Marin Co., Cal. Private garage.

Owner—W. O. Wayman.  
Architects—Welsh & Carey, Merchants National Bank Bldg., San Francisco

FRESNO, Fresno Co., Cal.—Following bids were received by the City Trustees for the construction of a garage and barn building on the "G" and Fresno City Corporation lots:

Hanson Constr. Co. .... \$ 9,900  
Frederick F. Smith ..... 11,397  
Larsen Sampson Co. .... 12,239  
City Engineer Murray, who prepared plans for the structure, estimated the cost at \$5,200. All bids were rejected.

## GOVERNMENT WORK AND SUPPLIES

### MARINE BRIGADE BUILDING.

SAN DIEGO, San Diego Co., Cal.—The following bids were received November 26 by the Public Works officer of the twelfth naval district at San Diego for erecting a central building for the Marine Brigade post on Dutch Flats. San Diego:

Lange & Bergstrom, Sharon Bldg., San Francisco, and Timken Bldg., San Diego, \$231,000.

Wm. Simpson Constr. Co., Los Angeles, \$235,300.

Federal Constr. Co., San Francisco, \$241,802.

W. E. Kier Constr. Co., San Diego, \$252,386.

No bids were received at Washington.

WASHINGTON, D. C.—The Carleton Mac Engineering Co. of Boston submitted the only bid at \$48,000, 120 days, and which arrived late at Washington, for furnishing and installing transformers, wires, cables, metal conduits, fittings, fixtures, reflectors, switches, receptacles, panel boards and cabinets necessary for complete electric lighting and power systems for the structural shop at the navy yard, Mare Island, Calif. Drawings and specification No. 3982:

WASHINGTON, D. C.—The following bids were received November 19 under Bureau of Yards and Docks, Specification No. 4034 for constructing marine, medical and supply officers' quarters at San Diego, Calif.:

Charles H. Schaar, \$32,150, time, 120 days.  
G. Jermund Dahl, \$35,400; time, 100 days.

MARE ISLAND, Cal.—The following bids were received at Mare Island December 3rd, for furnishing and installing transformers, wires, cables, metal conduits, fittings, fixtures, reflectors, switches, receptacles, panel



on new berthing piers on the south side  
MARIE ISLAND, Cal.—The Public  
Works Department at Marie Island has  
been authorized to start construction  
of  
Hosion, \$48,000, 120 days.

Washington  
The following bid was received at  
Central Elec. Co., S. F., \$7,000 130 days  
Ne Page-McKinney, S. F., \$5,793 130 days  
Elec. Contr. Co., S. F., \$4,874 120 days  
instead of Government, deduct \$1,520  
(If bid by system of wiring is used  
Butte Elec. Mfr. Co., \$1,183 130 days  
H. S. Little, S. F., \$5,670 136 days  
Globe Elec. Co., S. F., \$49,995 120 days  
Plans and specification No. 3982;  
Draw—Marie Island, Calif.  
Complete electric lighting and power  
systems for the structural shop at the  
Marine yard, Marie Island, Calif.  
propose to furnish the necessary materials  
of the causeway. Estimated cost, \$25,-  
000. The materials will be purchased  
through the Naval Purchasing Depart-  
ment in San Francisco.

Contract Awarded.  
KITCHEN ETC. Cost, \$29,629  
SAN FRANCISCO. U. S. Marine Hos-  
pital.

Kitchen and mess hall, attendants'  
quarters, refrigeration plant, re-  
modeling nurses' quarters and ap-  
proaches.

Owner—United States Government.  
Architect—None.  
Contractor—Schultz Constr. Co., 46  
Kearny St., San Francisco.

The contract was awarded on the  
original bid of \$38,220 omitting the of-  
ficers' quarters, for which the Schultz  
Company allowed \$8,591. The Govern-  
ment will furnish all materials.

Contract Awarded. Sub-Figures to be  
Taken.

STOREHOUSE Cost, \$48,000 ap-  
proximately.

MARE ISLAND.  
"Torpedo storehouse and compressor  
and separation building" (Speci-  
fication 3991).

Owner—United States Government.  
Architect—None.  
Contractor—Lange & Bergstrom, Shar-  
on Bldg., San Francisco.

## HALL & SOCIETY BUILDINGS

Plans Being Prepared.

LODGE BUILDING Cost, \$—  
COLDWELL, Idaho. On 32-acre Site  
on Canyon Hill.

Two-story fireproof lodge building.

Owner—I. O. O. F. Grand Lodge of the  
State of Idaho.

Rothchild Bldg., Portland, Ore.

Architects—Tourtellotte & Hummel.

## HOSPITALS

To be Done by Days Labor and Sub-  
Contracts.

HOSPITAL Cost, \$—  
LOS ANGELES, Cal. No. 127 S-Utah  
Street.

One-story hollow tile and frame hos-  
pital (2 wings 36x80 and 36x39).

Owner—Maternity Cottage & Homeo-  
pathic Hospital.

Architect—Hunt & Burns, 701 Laughlin  
Bldg., Los Angeles.

OAKLAND, Cal.—Bids will be re-  
ceived by the Alameda County Super-

visors, George E. Gross, County Clerk,  
up to December 29th, 10 A. M., for fur-  
nishing of certain equipment, consist-  
ing of Furniture and Hospital Sup-  
plies for use at the Alameda County  
Hospital near San Leandro.

Specifications may be seen at the  
office of the County Purchasing Agent.

Certified check of 10% payable to  
Geo. E. Gross, County Clerk, must ac-  
company each bid.

Plans Being Figured. Bids Close Dec.  
22nd, 1919.

HOSPITAL Cost, \$130,000  
SEATTLE, Wash. NW Terry Avenue  
and Spring Street.

Class "A" hospital, 120x120.

Owner—Dr. J. Tate Mason et al.

Architects—Bebb & Gould, Securities  
Bldg., Seattle.

Plans Being Prepared.

ADDITION Cost, \$60,000  
SEATTLE, Wash. Queen Anne Hill.

Two additional stories to present three  
story brick hospital, 50x100.

Owner—The Orthopedic Hospital.  
Architect—A. H. Albertson, Henry  
Bldg., Seattle.

## HOTELS

Plans Being Completed. Carpentry  
Work Awarded.

ADDITION Cost, \$—  
MODESTO, Stanislaus Co., Cal. 11th  
and "H" Streets.

Addition of one-story brick to present  
four-story hotel building.

Owner—Hotel Modesto, Crow & Hugin,  
Proprietors, Premises.

Architect—Ralph P. Morrell, I. O. O. F.  
Bldg., Stockton.

The work will consist of altering the  
present ball room into thirteen rooms,  
while the additional story will contain  
in the neighborhood of 23 rooms and  
will cover an area of 100 by 140 feet.

The contract for the carpentry has  
been awarded to Mr. Parks of Modesto.

Plumbing, plastering, heating, etc., will  
be done under separate contract.

Preliminary Sketches Being Prepared.

HOTEL, ETC. Cost, \$200,000  
LOS BANOS, Merced Co., Cal.

Three-story and basement brick or  
concrete hotel and stores, 100x150.

Owner—A corporation to be formed. S.  
P. Galvin, Chairman.

Architect—A. W. Cornelius, Merchants  
National Bank Bldg., San Francisco

A committee has been appointed to  
canvass the community for stock in the  
proposed company. The committee

consists of J. V. Toscano, E. W. Thier-  
cof, U. C. Cordil, Mathilda Bambauer,

B. A. Wilson, W. E. Burch, F. S.  
Garcia, S. B. Dismukes and D. W.

Wallis

FULLERTON, Orange Co., Cal.—A  
company is being formed to erect a

\$250,000 fireproof tourist hotel in Full-  
erton. The Meade Co of Los Angeles,

has undertaken to finance the project  
and an architect is now preparing

plans. It is expected the hotel will be  
operated as one of the chain of Pacific

Coast inns controlled by D. M. Linnard.

RIVERSIDE, Cal.—A three-story and  
basement reinforced concrete fireproof

building to house employees will be  
erected for the Glenwood Mission Inn  
on Sixth street between Main and

Orange. The structure will contain a  
garage, parlors and living rooms. The  
site is being cleared. The present laun-  
dry in the hotel will be converted into  
a dining room.

Lease Secured. Excavation Started.

HOTEL Cost, \$200,000  
FRESNO, Fresno Co., Cal. Van Ness  
and Inyo Streets.

Six-story fireproof hotel, 75x150 (115  
rooms each with bath.)

Owner—Harry Arakelian, Turlock.

Architects & Engineers—Swartz & Ry-  
land, Rowell Bldg., Fresno.

Contractor—Pritchard Bros., 623 Fer-  
ger St., Fresno.

## POWER PLANTS

SALEM, Ore.—Permission has been  
asked of the State Engineer's Office

by the Bend Water, Light & Power  
Company to appropriate 50 second feet

of water from the Tumalo River.

Should the application be granted the  
company plans to erect two power

plants for the development of 4,225  
horsepower at a cost of \$229,000.

Plans Being Figured.

SUB-STATION Cost, \$—  
RICHGROVE, Tulare Co., Cal.

Three-story and mezzanine concrete  
sub-station, 67x131, 50 feet high.

Owner—Southern California Edison  
Co., 306 W 3rd St., Los Angeles.

Architect—Engineering Department of  
owner.

## PUBLIC BUILDINGS

Plans Ready for Figures About Jan-  
uary, 7th, 1920.

STATION Cost, \$20,000  
SAN FRANCISCO. Ocean Beach Es-  
planade.

One-story reinforced concrete con-  
venience station.

Owner—City and County of San Fran-  
cisco.

Architect—Department of Engineering,  
Board of Public Works, 3rd Floor,  
City Hall, San Francisco.

Plans Being Prepared.

ADDITION Cost, \$200,000  
SAN BERNARDINO, San Bernardino  
Co., Cal.

Two-story and basement fireproof ad-  
dition (111x104) to Hall of Records.

Owner—San Bernardino County.

Architect—Howard E. Jones, 404 Katz  
Bldg., San Bernardino.

Mr. Jones has also prepared prelim-  
inary plans for a concrete detention

home for San Bernardino County to  
cost \$30,000.

SAN JOSE, Santa Clara Co., Cal.—  
Bids will be received up to December

15th, 11 A. M., by Henry A. Pfister,  
County Clerk, for furnishing special

Doubleface Desk and Record Book  
Storages for the Recorder's office in the

Hall of Records in the County of Santa  
Clara, Calif. Duplicate of same is in

Record's office.

Certified check of 10% payable to  
Henry A. Pfister, County Clerk, must

accompany each bid.

SACRAMENTO, Cal.—Work has  
been started on the excavating for the

San Francisco Civic Center Building,  
a four-story and basement Class "A"

structure. Plans were prepared by

Architects Bliss & Faville, Balboa Bldg., San Francisco.

The following contracts have been awarded:

**Excavation work** to Maurice Dillon, 180 Jessie St., San Francisco, at \$26,500; 75 days.

**Erection of Structural Steel and Iron** to C. A. Blume, San Francisco, at \$14,260; 35 days.

**Granite and Setting of Same** to Raymond Granite Co., 3 Potrero Ave., San Francisco, \$39,660.

**Concrete, Brick, Ornamental Terra Cotta and Rough Carpenter Work** to K. E. Parker Co., Clunie Bldg., San Francisco, \$180,690.

**Plans Awaiting Approval.**  
COUNTY JAIL Cost, \$35,000  
VALLEJO, Solano Co., Cal. Marin and Capitol Streets.

Two-story brick and reinforced concrete branch county jail with offices for County Officials, 34x70.

Owner—County of Solano.  
Architect—Chas. E. Perry Jr., 1209 Sutter St., Vallejo.

Architect Perry has also completed plans for the City of Vallejo for a brick and terra cotta city hall to be erected as a second unit to the County Jail building. This structure will be of the classic style of architecture and will be modern throughout.

**RED BLUFF, Tehama Co., Cal.**—A committee composed of members of the Board of Supervisors, H. G. Kuhn, County Clerk, will present data at the next meeting regarding plans and specifications for a new county courthouse.

T. A. Spencer is Chairman of the Board and Chas. Miles, Secretary of the Advisory Committee.

**LOS ANGELES, Cal.**—Fred R. Johnson, H. W. Hellman Bldg., submitted the lowest bid on the general work at \$91,865 for the erection of six nurses' homes at the county hospital. Howe Bros. submitted the lowest bid at \$15,907 for the plumbing; and the F. E. Newbery Electric Co., the only regular bid at \$5,542 on the electric work. The complete list of bids received by the Board of Supervisors were: General work, Fred R. Johnson, \$91,865; R. S. Martin, \$95,950; C. L. Edinger, \$111,905; Los Angeles Planing Mill Co., \$112,506; R. H. Whinery, \$105,830. Plumbing work: Howe Bros., \$15,907; Thomas Haverly Co., \$18,589; Arthur Hess, \$20,825, and Lohman Bros., \$21,887. The bids were referred to the mechanical engineer.

**OROVILLE, Butte Co., Cal.**—The Supervisors, C. F. Belding, County Clerk, have awarded a contract to Hibbard Bros., Oroville, for the alterations and changes to be made in the enlargement of the County Engineer's Office, at \$1,683. Other bids were:

L. E. Hitté.....\$1,770  
O. A. Peter.....1,850

## RESIDENCES

**Contract Awarded.**  
RESIDENCE Cost, \$10,000  
SAN FRANCISCO. Forest Hill.

Two-story frame residence. Plaster exterior, hot air, tile floors and wainscoting and garage.

Owner—John W. Marshall, Mills Bldg., San Francisco.

Architect—W. E. Milwain, Albany Bldg., Oakland.

Contractor—J. Prout, 2020 Turk St., San Francisco.

**Contract Awarded.**  
BUNGALOW Cost, \$6,650

SELMA, Fresno Co., Cal.  
Two-story frame bungalow.

Owner—Pello Lutheran Congregation.

Architect—Not Given.

Contractor—Olsen & Nielsen, "A" and

Gather St., Selma.

The only other bid received was that of S. Cooper, 20th and High streets, Selma, at \$7,150.

**Plans Being Prepared.**  
RESIDENCE Cost, \$10,000

YUBA CITY, Sutter Co., Cal.

Two-story frame and stucco residence

(8 rooms)

Owner—J. H. Lehner.

Architect—Chester Cole, Waterland-

Breslau Bldg., Chico.

**Plans Being Prepared.**  
BUNGALOW Cost, \$5,000

MARYSVILLE, Yuba Co., Cal.

One-story frame and stucco bungalow.

Owner—J. L. Mulvaney.

Architect—Chester Cole, Waterland-

Breslau Bldg., Chico.

**Contract Awarded on a Percentage Basis.**

RESIDENCE Cost, \$—

LOS ANGELES, Cal. Cromwell Avenue

near Vermont Avenue.

Three-story and basement hollow tile

residence (10 rooms and 3 bath-

rooms) and double garage.

Owner—J. W. McFarland.

Architect & Contractor—H. H. White-

ley, 428 Story Bldg., Los Angeles.

The brick and hollow tile work will

be done by C. L. Pulliam, 706 N. Andrews

Bldg., Los Angeles.

**Preliminary Plans Being Prepared.**

BUNGALOW Cost, \$6,000

SAN FRANCISCO. Park Presidio Dis-

trict.

Two-story frame bungalow (6 rooms

and basement garage).

Owner—Withheld.

Architect—A. L. Lapachet, 110 Sutter

St., San Francisco.

**Plans Being Prepared.**

RESIDENCES Cost, \$10,000 each

SAN FRANCISCO. Forest Hill.

Six two-story and basement frame and

plaster residences and separate

garages (7 and 8 rooms and 3

bathrooms each).

Owner—Withheld.

Architect—Walter Falch Hearst Bldg.,

San Francisco.

Plans will be ready for general figures

in about 2 weeks.

**Contract to be Signed Today.**

RESIDENCE Cost, \$10,280

BERKELEY, Alameda Co., Cal. Ashby

Avenue near Claremont.

Two-story frame residence (8 rooms, 2

bathrooms and separate garage).

Owned—Mrs. Wm. Endress, 1118 Oxford

St., Berkeley.

Architect—Jas. W. Plachek, 2014 Shat-

tuck Ave., Berkeley.

Contractor—C. Texdahl, 3035 Harper

Ave., Berkeley.

**Contract Awarded.**

BUNGALOW Cost, \$5,000 ap-

proximately.

EASTON, San Mateo Co., Cal.  
One-story six-room frame bungalow.  
Owner—Mr. F. Hayward.  
Architect—Ernest Norberg, 742 Market  
St., San Francisco.  
Contractor—C. Fahien, 581 California  
St., San Francisco.

**To be Done by Days Work.**  
RESIDENCE Cost, \$10,000  
MODESTO, Stanislaus Co., Cal. Stod-

dard and Sycamore Streets.

Two-story and basement frame resi-

dence.

Owner—Mayor Geo. J. Ulrich, Modesto.

Architect—Not Given.

NOTE:—Mr. Ulrich is a general contractor

and will erect the structure

himself.

**LA VERNE, Los Angeles Co., Cal.**—The La Verne Orange Growers' Association has arranged to build about 30 hollow tile cottages for employees in La Verne. D. C. Crookshank of Pomona, will have charge of the construction. The cottages for Mexicans will each have three rooms and bath and the houses for American employees will contain 4 and 5 rooms each.

**Plans Being Prepared.**  
RESIDENCE Cost, \$50,000

COVINA, Los Angeles Co., Cal.

Frame and stucco residence (14 rooms

and 6 bathrooms).

Owner—L. J. Grimessey.

Architects—Stanton Reed & Hubbard,

632 Metropolitan Bldg., Los Angeles.

Plans have been completed and work

is being started on two bungalows and

a large barn on the same property.

**Plans Being Prepared. To be Done by Days Work.**

BUNGALOWS Cost, \$—

OAKLAND, Alameda Co., Cal.

Five one-story frame bungalows and

8 two-story frame residences.

Owner—Chas. MacGregor.

Architect—A. W. Smith, 1010 Broad-

way, Oakland.

Contractor—Owner.

**Contract Awarded.**

RESIDENCE Cost, \$12,800

OAKLAND, Alameda Co., Cal. Bellevue

Avenue.

Two-story and basement frame and

plaster residence and garage (10

rooms).

Owner—P. B. Manheim.

Architect—E. W. Cannon, Central Bk.

Bldg., Oakland.

Contractor—E. T. Leiter & Son, Call

Bldg., San Francisco.

**Plans Being Figured.**

RESIDENCE Cost, \$7600

SAN FRANCISCO. Eastwood Drive and

San Ramon.

One-story and basement 6-room frame

residence and garage.

Owner—Miss Ida McCain.

Architect—Miss Ida McCain, 318 Kear-

ny St., San Francisco.

**Plans Being Prepared. Contract**

**Awarded.**

RESIDENCE Cost, \$—

PACIFIC GROVE. Monterey Co., Cal.

One-story frame and plaster residence

(6 rooms).

Owner and Architect—Paul V. Tuttle,

565 Lighthouse Ave., Pacific Grove.

Contractor—Del Monte Products Co.,

Pacific Grove.

## Plans Being Completed

**DWELLING** Cost, \$—  
**PACIFIC GROVE**, Monterey Co., Cal.  
 One-story frame dwelling (6 rooms).  
 Owner—J. F. Rogers, Pacific Grove.  
 Architect—Paul V. Tuttle, 565 Light-  
 house Ave., Pacific Grove.

## Contract Awarded.

**RESIDENCE** Cost, \$10,000  
**SAN FRANCISCO**, Monterey Blvd. and  
 Faxon Avenue.

One-story and basement frame residence  
 (7 rooms and garage).  
 Owner—Miss Ida McCain.  
 Architect—Miss Ida McCain, 318 Kear-  
 ny St., San Francisco.  
 Contractor—H. J. Hansen, 1329 20th  
 Ave., San Francisco.

## Contract to be Awarded.

**PARISH HOUSE** Cost, \$15,425  
**PIEDMONT**, Alameda Co., Cal. Ridge-  
 way and Howe Street.

Two-story frame and plaster parish  
 house.  
 Owner—St. Leo's Parish.  
 Architect—Jas. W. Plache, 2014 Shat-  
 tuck Ave., Berkeley.  
 Contractor—Henry McCullough, 1641  
 Allston Way, Berkeley.

## Contract Awarded.

**RESIDENCE** Cost, \$—  
**BERKELEY**, Alameda Co., Cal.

Two-story attic and basement rein-  
 forced concrete and brick veneer  
 residence and garage (10 rooms).  
 Owner—Mr. Elliott.  
 Architect—Miss Julia Morgan, Mer-  
 chants' Exchange Bldg., San Fran-  
 cisco.  
 Contractor—Enoch Tranmal, 854 54th  
 St., Oakland.

## Sub-Figures Being Taken.

**RESIDENCE** Cost, \$—  
**SAN FRANCISCO**, Broadway and Web-  
 ster Streets.

Two-story and basement brick and  
 frame residence (about 15 rooms).  
 Owner—Harry Hill, 2550 Webster St.,  
 San Francisco.  
 Architect—Kenneth MacDonald Jr., 234  
 Pine St., San Francisco.

## Plans Being Figured.

**COTTAGE** Cost, \$—  
**BURLINGAME**, San Mateo Co., Cal.  
 One-story frame cottage (that roof)  
 8 rooms.

Owner—Norman Grieg.  
 Architect—Kenneth MacDonald Jr., 234  
 Pine St., San Francisco.

## Plans Being Prepared.

**BUNGALOWS** Cost, \$—  
**SAN JOSE**, Santa Clara Co., Cal.  
 Forty-seven one-story frame bunga-  
 lows 26x43 (5 rooms each).  
 Owner—Withheld  
 Architect—Henry Shermund, Hearst  
 Bldg., San Francisco.

## Plans Being Figured.

**RESIDENCE** Cost, \$12,000  
**SAN FRANCISCO**, Sea Cliff

Two-story and basement reinforced  
 concrete residence and tile terrace  
 (6 rooms and 2 baths).  
 Owner—Dr. A. Abrams.  
 Architect—Henry C. Smith, Humboldt  
 Bank Bldg., San Francisco.

## Completing plans.

**RESIDENCE** Cost, \$—

**LOS ANGELES**, Cal. Western Avenue

near Wilshire Blvd.  
 Two-story hollow tile residence (3  
 rooms and 2 bathrooms).

Owner—C. H. Johnson.  
 Architects—Walker & Eisen, 1403 Hi-  
 lberman Bldg., Los Angeles  
 (29385) 1st report Sept. 2, 1919.

Plans Being Prepared.  
**BUNGALOW** Cost, \$4,000  
**OAKLAND**, Alameda Co., Cal. 4th Ave.

Tract.  
 Six-room frame bungalow.  
 Owner—Withheld.  
 Designers—Hutchinson & Mills, Al-  
 bany Block, Oakland.

## Plans Being Prepared.

**ALTERATIONS** Cost, \$2,000  
**ALAMEDA**, Alameda Co., Cal.

Alterations to frame residence.  
 Owner—Withheld.  
 Architect—Hamilton Murdock, 915  
 Syndicate Bldg., Oakland.

## Plans Being Prepared. To be Done by

Days Labor.  
**BUNGALOWS** Cost, \$—  
**BERKELEY**, Alameda Co., Cal. Ward  
 Street.

Two one-story bungalows.  
 Owner—Leslie Wilson, 2642 Prince St.,  
 Berkeley.

Designers—Hutchinson & Mills, Al-  
 bany Block, Oakland.

## Plans Being Prepared.

**RESIDENCE** Cost, \$20,000  
**ALAMEDA**, Alameda Co., Cal.

Two-story frame and plaster residence  
 Owner—Withheld.  
 Architect—Hamilton Murdock, 915  
 Syndicate Bldg., Oakland.

## Plans Being Prepared.

**ALTERATIONS** Cost, \$5,000  
**NAPA**, Napa Co., Cal.

Alterations to frame residence.  
 Owner—Withheld.  
 Architect—Hamilton Murdock, 915  
 Syndicate Bldg., Oakland.

## Preliminary Plans Being Prepared.

**RESIDENCE** Cost, \$15,000 to \$20,000  
**SAN FRANCISCO**

Two-story and basement frame resi-  
 dence (about 10 rooms.)  
 Owner—Withheld.  
 Architect—Wm. E. Milwain, Albany  
 Bldg., Oakland.

## Plans Being Prepared.

**BUNGALOW** Cost, \$5,000  
**FRESNO**, Fresno Co., Cal. Belmont  
 Avenue opp. Roeding Park.

Frame and plaster bungalow.  
 Owner—H. R. Worthington.  
 Architects—Swartz & Ryland, Rowell  
 Bldg., Fresno.

**SACRAMENTO**, Cal.—The Chamber of  
 Commerce has called a meeting to dis-  
 cuss the proposal of A. R. Peddar, of  
 Los Angeles, to erect in Sacramento  
 100 homes valued at \$3,000 each. Ped-  
 dar agrees to undertake the task pro-  
 vided the banks of the city would take  
 a first mortgage of \$2000 and private  
 persons assume the remaining \$1000 as  
 a second mortgage.

Homes erected by Peddar in Napa,  
 Napa County, were recently inspected  
 by State Architect George E. Mc-  
 Dougal, who reported "The value is in  
 these homes." Similar report were  
 presented by officials of the labor

unions and by George G. Radcliff,  
 Chairman of the Housing Committee of  
 the Chamber of Commerce.

## Plumbing Contract Awarded.

**RESIDENCE** Cost, \$—  
**LOS GATOS**, Santa Clara Co., Cal.

Two-story and basement frame resi-  
 dence and garage.

Owner—Mrs. C. H. Perkins, 145 Cher-  
 ry St., San Francisco.

Architect—Miss Julia Morgan, Mer-  
 chants' Exchange Bldg., San Fran-  
 cisco.

Contractor—Grace & Bernieri, Claus  
 Spreckels Bldg., San Francisco.  
 The contractors have awarded a con-  
 tract to Frederick W. Snook Co., for  
 roughing in plumbing and a portion of  
 the fixtures. Contract price, approxi-  
 mately \$4,400

## SCHOOLS

**SACRAMENTO**, Cal.—State Archi-  
 tect G. W. McDougall has recommen-  
 ded that the contracts for the electric  
 work and plumbing, heating and ven-  
 tilating work for the main building of  
 the Humboldt State Normal School at  
 Arcata be awarded to The Turner Co.,  
 272 Natoma St., San Francisco. Their  
 bids were as follows: **Electric work**,  
 \$6,840; plumbing, etc., \$29,280.

**BERKELEY**, Alameda Co., Cal.—On  
 recommendation of Architect Wm. C.  
 Hays, First National Bank Bldg., San  
 Francisco, the Berkeley Board of Edu-  
 cation is considering the calling of bids  
 for furnishing and delivering approxi-  
 mately 300 tons of reinforcing steel to  
 be used in city school construction.

The next meeting of the Board of  
 Education is set for December 16th,  
 when it is probable that the call for  
 bids will be issued.

**MADERA**, Madera Co., Cal.—Bids  
 will be received by the Madera Union  
 High School District, G. M. Shedd, Sec-  
 retary, up to January 5th, 7:30 P. M.,  
 for the construction of an addition to  
 the present school building, in accor-  
 dance with plans prepared by Swartz  
 & Ryland, Architects and Engineers,  
 Rowell Bldg., Fresno.

Certified check of 10% payable to G.  
 M. Shedd, Secretary of the School  
 Board, must accompany each bid.

## Contract Awarded.

**SCHOOL** Cost, \$11,215  
**ARCADIA**, Los Angeles Co., Cal.

One-story hollow tile school, 190x160.  
 (8 rooms and an auditorium).  
 Owner—Arcadia School District.

Architect—Norman F. Marsh, 210  
 Broadway Central Bldg., Los An-  
 geles.

Contractor—Daniels & Farris, Pas-  
 adena.

The award was made on the original  
 bid of \$52,715 for Denison tile walls  
 and a deduction of \$11,500 for omitting  
 the interior finish. The plumbing was  
 awarded to the South Pasadena Plum-  
 bing Co. at \$1905; heating to Pacific Gas  
 Radiator Co. at \$1111; and painting to  
 Alhambra Wall Paper & Paint Co., at  
 \$1050.

## Figures to be Called for This Week.

**SCHOOL** Cost, \$90,000  
**ANTIOCH**, Contra Costa Co., Cal.

One-story brick school.  
 Owner—Antioch School District.

Architect—W. H. Weeks, 75 Post St., San Francisco.  
Bonds have been voted.

FRESNO, Fresno Co., Cal.—Bids will be received by the Fresno Board of Education, J. R. Fontaine, Secretary, up to January 5th, 5 P. M., for the construction of the following schools: John Muir, Arlington, Heights, Webster, Longfellow, and Kirk.

Bids will be taken as follows:

Specification "A" Excavation, concrete work, carpenter work, mill work, etc.

"B" Brick and terra cotta.

"C" Steel and ornamental iron.

"D" Plumbing.

"E" Heating.

Plans may be seen at the office of Trewhitt-Shields Co., 435 Rowell Bldg., Fresno.

SACRAMENTO, Cal.—Francis W. Reid, Architect, Oechner Bldg., Sacramento, has presented a rather satisfactory plan to the Sacramento Board of Education for carrying on school improvements under the recent \$2,084,000 bond issue.

The Sacramento architects, as an organization, ask 6 per cent of the cost of the buildings for their share. Reid wants \$1,000 for each building where a modification of the William Land School plan is made, and 1 per cent where new plans are drawn. The School Committee of the Chamber of Commerce has recommended all schools to be built along the lines of the William Land School.

If this recommendation is followed, Reid's charges would be \$14,000 for the fourteen schools. If new plans were drawn for all his charges would be \$23,040. The 6 per cent asked by the organized architects would make the figure \$138,240.

C. F. Welland, San Francisco architect, made application for the position of Executive and General Superintendent of Building, under the recommendation of the School Committee of the Chamber of Commerce that such an officer be named.

Sylvain Schnalttacher, representing the San Francisco Chapter of the American Institute of Architects, of which the Sacramento architects are members, in a letter to the Board of Education, enclosed a copy of a letter he had sent to Shea & Lofquist, the architects who drew the William Land School plans, and who have offered to draw further plans for 2 per cent, with such modifications as may be necessary. In this letter to Shea & Lofquist, Schnalttacher warned them that their offer is a violation of the canons of ethics of the American Institute of Architects.

MONTEREY, Monterey Co., Cal.—Contracts for two reinforced concrete schools have been awarded by the Trustees of the Monterey School District, A. G. Winston, Clerk, from plans prepared by Architects Paul V. Tuttle and Arthur W. Angel, 565 Lighthouse avenue, Pacific Grove, Cal., as follows:

Fourteen-room building to T. H. Dean of Monterey at \$69,200, which includes all work with the exception of plumbing and heating. Plumbing awarded to Pierce & Towle, Monterey, at \$2,450. The bids for heating have been rejected.

Six-room Building to Haggans &

Warden, San Francisco, at \$23,770, which includes all work with the exception of plumbing and heating. The plumbing contract has been awarded to Pierce & Towle of Monterey at \$1,000. Bids for the heating were rejected. A complete list of bids for each building may be seen at this office.

CHINO, San Bernardino Co., Cal.—Until 8 P. M., January 12, bids will be received by trustees of Chino grammar school, Wm. T. Clarke, Clerk, for 25 school desks. Specifications may be obtained from principal of grammar school at the high school building.

HEMET, Riverside Co., Cal.—Until 7 P. M., December 18, bids will be received by Trustees of Hemet Union High School District, C. E. Goodhue, Clerk, for erecting an intermediate school building at Hemet in accordance with plans and specifications by G. Stanley Wilson, Virginia Block, Riverside. Deposit of \$15 required for plans. Certified check for 5% required. Bids will be taken separately for the general contract, for plumbing and metal work and for heating and ventilating. Bonds to amount of \$70,000 have been voted.

Contract Awarded.  
ADDITION Cost, \$5,475  
ALAMEDA, Alameda Co., Cal. Washington School.  
Addition and finishing of community rooms, etc.

Owner—City of Alameda.  
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.  
Contractor—W. G. Thornally, 3027 E. 16th St., Oakland.  
Other bidders were:  
McLeran & Peterson.....\$5,495  
J. H. Pedgrift.....5,625  
C. Christensen & Son.....5,718

Contract Awarded.  
SCHOOL Cost, \$—  
DUNSMUIR, Siskiyou Co., Cal. High school.  
Owner—Dunsmuir Union High School.  
Architect—Geo. Teets, Sisson, Calif.  
Contractor, W. R. Campbell, 3521 "J" St., Sacramento.  
(29873) 1st report Sept. 2, 1919.

Grant Avenue.  
Add one-story, 55x60, to Class "C" store building.  
Contracts Awarded.  
ADDITION Cost, \$21,000  
SAN FRANCISCO. S Post St. 60 E  
Owner—H. Liebes & Co., Premises.  
Architect—Wm. Mooser, Nevada Bank Bldg., San Francisco.  
Carpentry Work, Etc., to G. Peterson.  
Structural Steel to Central Iron Works  
Plumbing, Heating and Wiring to O. Kurtz, San Francisco.  
Elevators to Otis Elevator Co., Beach and Stockton, Sts., San Francisco.

Plans Being Figured.  
AUTO SALESROOM Cost, \$6,000  
MARYSVILLE, Yuba Co., Cal.  
One-story brick auto salesroom with corrugated iron roof.  
Owner—Hampton Hardware Co.  
Architect—Chester Cole, Waterland-Breslau Bldg., Chico.

Contract Awarded.  
DEPARTMENT STORE Cost, \$—  
BAKERSFIELD, Kern Co., Cal.

## STORES AND OFFICES

Foundations for six-story and basement reinforced concrete department store.

Owner—Conklin & Brodek.  
Lessee—Hochheimer & Clark.  
Architect—Orville L. Clark, Bakersfield.  
Contractor—K. E. Parker, Clunie Bldg., San Francisco.

Bids in and Under Advertisment.  
DEPT. STORE. Cost, \$—  
BAKERSFIELD, Kern Co., Cal.  
Six-story Class "B" department store building.

Owner—E. W. Hopkins.  
Architects—Bliss & Faville, Balboa Bldg., San Francisco.

Bids ran over the estimate and plans may be revised for a smaller building.

Figures were taken for a general contract.

December 1, 1919.  
Contract Awarded.  
ADDITIONS Cost, \$20,000  
GRAND ISLAND, Sacramento Co., Cal.  
Additions and alterations to residence.  
Owner—E. H. Meyers.  
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.  
Contractor—Jas. Farlow, 621 18th Ave., San Francisco.

Contract Awarded.  
STORE Cost, \$28,000  
SEATTLE, Wash. SW Minor and Pine Streets.  
One-story brick store, 135x100.  
Owner—L. B. Peebles, Care Crane Co., Seattle, Wash.  
Architect—Bebb & Gould, Seortlies Bldg., Seattle.  
Contractor—James Murdock, Lumber Exchange Bldg., Seattle.

LOS ANGELES, Cal.—N. Clark & Sons, San Francisco, N. W. Howard local representative, has been awarded the contract for furnishing the terra cotta for the six-story Class "A" store building to be erected at the northeast corner of Sixth street and Broadway, Los Angeles, for F. B. Silverwood. The contract amounts to approximately \$20,000. Walker & Eisen, 1402 Hibernian Bldg., Los Angeles, are the architects.

Plans Being Prepared.  
STORES Cost, \$15,000  
OAKLAND, Alameda Co., Cal. Eighth and Clay Streets.  
One-story brick and hollow tile building, 75x100 (six stores).  
Owner—R. W. Kenney.  
Architect—A. W. Smith, 1010 Broadway, Oakland.

Contract Awarded.  
AUTO SALES BUILDING Cost, \$16,000  
PORTLAND, Ore. East Eighth and Hawthorne Streets.  
One-story brick and concrete autosales building.

Owner—Whitney L. Boise.  
Lessee—International Truck Co.  
Architects—Houghtaling & Dougan, Henry Bldg., Portland, Ore.  
General Contractor—A. C. Meyers, 1084 Alhina Avenue.  
Fox & Co., heating and plumbing.  
Western Roofing & Supply Co., roofing and sheet metal work.

Site Purchased. Plans to be Prepared.

**AUTO SALESROOMS** Cost, \$25,000  
**CHICO**, Butte Co. First Wall and Second Streets (triangular lot).  
 One-story concrete auto salesrooms and garage.  
 Owner—W. F. Gage & Sons, Inc., Chico.  
 Architect—Not Given.

The members of the company are William F. Gage, president; Walker M. Gage, treasurer and Snyder J. Gage, secretary.

## THEATRES

Plans Being Prepared.  
**THEATRE** Cost, \$100,000  
**SALINAS**, Monterey Ca.; Cal.  
 Two-story reinforced concrete theatre, offices and 2 stores.  
 Owner—Brown Bros., Salinas.  
 Lessee—Turner & Dahnken, San Francisco.  
 Architect—A. W. Cornelius, Merchants National Bank Bldg., San Francisco

Ready for Figures in About a Week.  
**THEATRE** Cost, \$125,000  
**RICHMOND**, Contra Costa Co., Cal.  
 MacDonald Avenue.  
 One-story and balcony Class "A" theatre and 2 stores.  
 Owner—Turner & Dahnken, San Francisco.  
 Architect—A. W. Cornelius, Merchants National Bank Bldg., San Francisco.

Contracts Awarded  
**THEATRE** Cost, \$70,000  
**SAN FRANCISCO**, No. 3350 Mission Street near 29th.  
 One-story Class "A" motion picture theatre.  
 Owner—S. Mariani, 2881 23rd St., San Francisco.  
 Architects—Reid Bros., 105 Montgomery St., San Francisco.  
**Concrete, excavation and carpentry** awarded to G. B. Pasqualetti.  
**Steel and ornamental iron** to Golden Gate Iron Works.  
**Galvanized iron** to Guilfoyle Cornice Co.  
**Electric work** to Butte Elec. Equipment Company.  
**Plastering** to Peter Bradley.  
**Heating** to Atlas Heating & Ventilating Company.  
**Tile** to Scott Company.

Plans to be Prepared.  
**THEATRE** Cost, \$1,000,000  
**LOS ANGELES**, Cal. Highland Avenue over 600 acres.  
 Fireproof Greek theatre and other buildings, landscaping, etc.  
 Owner—Theatre Arts Alliance, Inc., Los Angeles.  
 Architect—Louis C. Mullgardt, Chronicle Bldg., San Francisco.  
 Preliminary plans have not been prepared, but will be shortly.

Plans Being Prepared.  
**OFFICE & THEATRE BLDG.**  
 Cost, \$1,000,000.  
**SAN FRANCISCO**, Market and Taylor Streets.  
 Seven-story Class "A" office and theatre building.  
 Owner—Loew-Ackerman-Harris.  
 Architects—G. Albert Lansburgh, 709 Mission St., San Francisco, and Thos. W. Lamb of New York.  
 Construction to start in about four months.

## ENGINEERING

### BRIDGES, DAMS & HARBOR WORK

**STOCKTON**, San Joaquin Co., Cal.—The Supervisors have directed County Engineer Quall to prepare plans and specifications for the improvement work on the bridge over North Slough at Bellota, Flood Bridge and Garwood Ferry Bridge. Eugene D. Graham is County Clerk.

**FRESNO**, Fresno Co., Cal.—Geo. F. Coley of Woodland, who owns the Belmore and Chaney ranch of 6720 acres in Fresno County, proposes to build a dam to cost \$100,000 to impound waters of Panoche and Silver creeks for irrigation. He has applied to the railroad commission for permission to operate as a public utility.

**SANTA CRUZ**, Santa Cruz Co., Cal.—On recommendation of Mayor Kratzenstein it is probable that the reconstruction of the present bridge over Placerville creek at Water street, will be placed underway shortly. The work is estimated to cost \$2,500 and will consist of the addition of two new spans and a six-foot concrete sidewalk on the south side.

The construction of a new bridge is estimated at \$12,000, but this amount is not available for construction.

**BERKELEY**, Alameda Co., Cal.—Cornelius Maloney, representing the East Bay Water Company of Oakland, has filed application with the Berkeley City Council asking permission to construct a concrete oil tank at the Rose street pumping station in place of a steel tank. The tank will have a capacity of 15,000 gallons.

The application has been taken under advisement.

**MADERA**, Madera Co., Cal.—The City Clerk has been instructed to advertise for bids for furnishing the necessary labor to complete construction of the proposed bridge over the canal on Vineyard avenue. The material will be furnished by the Madera Sugar Pine Company who requested that the structure be erected.

**FRESNO**, Fresno Co., Cal.—Bids will be received by D. M. Barnwell, County Clerk, up to December 12th, 2 P. M., for the construction of a reinforced concrete bridge, located on Sanger-Kingsburg avenue, at a point about 1½ mile north of the SE corner of Section 10, in Township 15 South, Range 32 East, M. D. B. & M., also being on that portion of the Fresno County Highway System known as Route 20, Section A.

Separate bids will be received on the same date for the construction of a reinforced concrete bridge, located over the Fowler Switch Canal, on Sanger-Academy avenue, at a point about ½ mile north of the N limits of the City of Sanger, Fresno County, also being on that portion of the Fresno County Highway System known as Route 16, Section A.

Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

**SACRAMENTO**, Cal.—Bids will be received by City Clerk M. J. Desmond, up to December 16th for the construction of a new elevator on the Municipal Wharf just north of the coal bunkers. Plans may be seen at the office of the City Clerk.

### BIDS OPENED FOR RETAINING WALL AND STREET IMPROVEMENT.

**SAN FRANCISCO**—Following bids were received by the San Francisco Board of Public Works for the construction of Army street retaining wall:

Alfred H. Vogt.....	\$43,837
Anderson & Ringrose.....	44,904
Bos & O'Brien.....	54,000
Healy Tibbitts Co. (low).....	40,257
Clinton Constr. Co.....	48,264
John Spargo.....	50,375
Jas. M. Smith.....	51,200
C. B. Cowden.....	\$5,950

**SANTA CRUZ**, Santa Cruz Co., Cal.—The construction of a modern bridge on Meder street, crossing the gulley which marks the city and county junction, has been abandoned by the City Trustees as it was found that such a structure would cost between \$12,000 and \$14,000.

**SAN FRANCISCO**—J. M. Lettich, Monadnock Bldg., has been awarded a contract by the State Harbor Commissioners for piping at the Islala Creek Vegetable Oil Plant at a cost of approximately \$7,000.

**SACRAMENTO**, Cal.—W. P. Dwyer, of the Sacramento Transportation Company, Traffic Manager G. J. Bradley, of the Merchants' and Manufacturers' Traffic Association, have recommended to the City Commissioners the following improvements on the Sacramento waterfront, the total cost of which is \$18,675:

1. Move the elevator of the Sacramento Transportation Company south seventy feet, \$6,425.
2. Remove the dolphin in front of the M street wharf, \$250.
3. Move the No. 2 elevator at the M street wharf south seventy feet, \$4,000.
4. Build a shed on the coal wharf, \$2,000.
5. Install an elevator at the coal wharf, \$6,000.

No action was taken. M. J. Desmond is City Clerk.

**NICOLAUS**, Butte Co., Cal.—The State Engineering Advisory Board, upon recommendation of State Engineer W. F. McClure, has agreed to pay \$2,500, or one-half of the cost of raising three and one-half feet, a total of 2,000 feet of a low portion of the levee of Reclamation District 803, on the west bank of the Feather River opposite Nicolaus. This is contingent upon the remainder of the cost being borne by the interests affected.

**SAN JOSE**, Santa Clara Co., Cal.—The contract awarded July 7th by the County Supervisors to The Ralsch Improvement Co. for construction of a drainage ditch in Blaney avenue was withdrawn at the last meeting of the County Board of which Henry A. Pfister is Clerk.

SANTA ANA, Orange Co., Cal.—Until December 16, bids will be received by the Board of Supervisors of Orange County for constructing the Richfield road bridge.

MADERA, Madera Co., Cal.—Bids received by the County Supervisors, W. R. Curtin, County Clerk, for furnishing lumber for use in Road District No. 2 have been rejected and it is probable that the material will be purchased in the open market.

### IRRIGATION WORK

MADERA, Madera Co., Cal.—State Engineer W. F. McClure has notified the Madera County Supervisors that his office has approved of the formation of the proposed Madera Irrigation District.

CHICO, Butte Co., Cal.—Work has been started on the extension of the Sutter-Butte Canal Company's lines south from Live Oak to a district east of District No. 1500 in Sutter County.

The work is in charge of J. L. Tullock of Gridley, Manager of the concern, and is estimated to cost \$15,000.

FRESNO, Fresno Co., Cal.—The County Supervisors have approved the petition for the formation of the Riverdale Irrigation District and have directed the County Engineer to go into the engineering details regarding the project. A final hearing for the formation has been set for March 1st. D. M. Barnwell is County Clerk.

SACRAMENTO, Cal.—The Trustees of Reclamation District No. 1660 are ready to submit to the State Reclamation Board plans of the engineers calling for the expenditure of \$1,756,000 in reclaiming the district.

The biggest portion of the money will be expended in the building of levees, roads, bridges, fencing, railroads, etc.

The Trustees of the District are: P. H. McGrath, E. S. Brown and George W. Peitler. The engineer is J. C. Hoyd.

MERCED, Merced Co., Cal.—The election held recently to form the proposed Merced Irrigation District carried. A bond election will be called within the next few weeks to finance construction of the proposed system, which will cost between \$5,000,000 and \$6,000,000. About 173,000 acres are included in the district.

### TO VOTE IRRIGATION BONDS.

FORT JONES, Siskiyou Co., Cal.—December 13th is the date set to vote bonds of \$125,000 in the Scott Valley Irrigation District to finance construction of an irrigation system.

### LIGHTING SYSTEMS

CHICO, Butte Co., Cal.—Plans prepared for a modern lighting system for this city have been completed by the Pacific Gas & Electric Company and will be presented for approval at the next session of the City Trustees. The new system will be installed in the annexed section of the city.

FRESNO, Fresno Co., Cal.—Bids will be received up to January 5th, 2 P. M., by the County Supervisors, D. M. Barnwell, County Clerk, for the installation of an electrical switchboard at the County Hospital. Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

### MACHINERY

SAN JOSE, Santa Clara Co., Cal.—The following bids were received by the County Supervisors for digging a well and installing a pump and motor at the county almshouse:

Surveyors' Estimate: Bid A. well, \$2,185; bid B. complete, \$4,850; bid C. without power, \$4,300.

Yayne & Bowler Corp. (a) \$3,766.20; (b) installing, \$2,280.50; (c) \$1,338.50.

All bids were rejected and the clerk directed to re-advertise for bids to be opened on January 5, 1920, 11 A. M.

Henry A. Pfister is County Clerk.

### SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

VALLEJO, Solano Co., Cal.—No bids were received by the City Council. Alf Edgcombe, City Clerk, for the improvement of Hichborn street between Sacramento and Wilson avenue. T. D. Kilkenny is City Engineer.

SANTA ROSA, Sonoma Co., Cal.—The City Engineer has been instructed to prepare plans for the improvement of Humboldt street between Johnson and Benton streets with a 2-inch layer of crushed rock to be rolled and covered with asphalt, the finish product being then about 3-inches in thickness.

Plans for the improvement of Tenth street between Mendocino and "B" streets were also ordered prepared.

As no bids were received for the improvement of "E" street from Fourth to the bridge, the City Street Commissioner was instructed to do the work.

The report regarding the extension of the Wright street sewer will be presented at the next meeting of the Council.

OAKLAND, Cal.—The County Supervisors, Geo. E. Gross, County Clerk, has awarded a contract to the California Hydraulic Engineer & Supply Co., 70 Fremont St., San Francisco, at \$3,750 for a pumping unit for the water supply system at the Arroyo Sanatorium.

EUREKA, Humboldt Co., Cal.—The City Board of Health has recommended to the City Council that action be taken regarding the Whipple street sewer also to investigate the lack of sewage in "L" street.

MONTEREY, Monterey Co., Cal.—The Granite Rock Co., Salinas, submitted the only bids to the Monterey City Council, Archie Kay, City Clerk, for the improvement of portions of Perry and Van Buren streets and were awarded the contract. The bids were:

Van Buren street, \$4.35 per ton for rock placed and 3½ cents per sq. ft. for asphalt surfacing.

For Perry street, \$3.35 per ton for rock placed and 3½ cents per sq. ft. for surfacing.

# Pacific PIPE

## SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

**PACIFIC PIPE CO.,**  
231 Howard St. San Francisco

EUREKA, Humboldt Co., Cal.—The City Council has awarded a contract to the Worswick Construction Co., "I" and San Diego Sts., Fresno, at \$2.25 per yd. delivered in the city truck, screened gravel for use on the city streets.

Alternate bids submitted by the company were: per yard at company's screening plant at Fernbridge, 80 cents, and f. o. b. Eureka, \$1.88 per yard.

MONTEREY, Monterey Co., Cal.—Petitions are being circulated asking the Trustees to take steps providing for the improvement of Decatur street.

At the last meeting of the Council steps were taken to cancel all proceedings on Ocean View avenue, Reeside avenue and Wave street.

New proceedings providing for the improvements of these streets will be taken at the next meeting. Archie Kay, City Clerk.

RIVERSIDE, Cal.—Until 2 P. M., Dec. 17, bids will be received by the Supervisors of Riverside County for the following road work in the Palo Verde valley:

Arrowhead permanent road division, involving 26,277 cu. yds. excavation, 408 cu. yds. gravel; 394 ft. 14-in. and 26 ft. 10-in. concrete pipe; 27 14-in. and 2 10-in. gates and 20 turnout boxes.

West Blythe Div., involving 16,066 cu. yds. excavation; 240 cu. yds. gravel; 288 ft. 14-in. and 40 ft. 10-in. concrete pipe; 22 14-in. and 4 19-in. gates and 6 turnout boxes.

Rocky Comfort Div., involving 49,784 cu. yds. excavation; 942 cu. yds. gravel; 706 ft. 14-in., 70 12-in., and 96 ft. 19-in. concrete pipe; 71 14-in. 8 12-in., and 10 19-in. gates and 34 turnout boxes.

Fertilla Div., involving 24,668 cu. yds. excavation; 2953 cu. yds. gravel; 628 ft. 14-in., and 29 ft. 19-in. concrete pipe; 10 14-in. and 2 10-in. gates and 4 turnout gates.

Comer Div., involving 17,704 cu. yds. excavation; 46 cu. yds. gravel; 86 ft. 14-in., and 16 ft. 19-in. concrete pipe;

5 14-in. and 2 10-in. gates and 18 turn-out boxes.

Anelo Valle Div., involving 47,213 cu. yds. excavation; 1044 cu. yds. gravel 1098 ft. 14-in., 72 ft. 10-in., and 36 ft. 8-in. concrete pipe; 8 10-in. and 4 8-in. gates and 20 turnout boxes.

Plans and specifications may be obtained from County Surveyor A. C. Fulmer at Riverside. Certified check for 5% required. D. G. Clayton, Clerk.

AVAILON, Catalina Island, Los Angeles Co., Cal.—Until 1:30 P. M., December 19, bids will be received by the City Clerk of Avalon for furnishing all pipes, valves, special castings and appurtenances and all other materials; also for furnishing all labor for constructing a municipal gas distributing system. A copy of the official notice inviting bids, containing more detailed information, will be mailed upon application to F. M. Tidball, City Clerk, Avalon.

FRESNO, Fresno Co., Cal.—Bids will be received by the City Council, Chas. Dillon, City Clerk, up to December 15th, 8 P. M., for the improvement of La Salle avenue from the west line of Blackstone to the west line of Glenn avenue, by grading; constructing cement concrete curbs and sidewalks; corrugated iron culverts and oiling between curb lines.

SAN FRANCISCO.—The Board of Public Works has granted a permit to Plinn & Treacy to grade, construct curbs and gutters of concrete in Anderson street between Powhattan and Eugenia, and to improve the roadway with asphalt and vitrified brick pavement.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$19,859.46 for paving Cheney St. between Santa Fe Ave. and a point 306 ft. east of Minerva St., involving 58,472 sq. ft. grading to finished subgrade at 3¢ ft., 58,472 sq. ft. protected concrete paving at 23¢ ft., 24,086 sq. ft. rough grading at 4¢ ft., 24,086 sq. ft. finishing grade, oiling and rolling at 5¢ ft., 30 lin. ft. armored curb at \$2 ft., 52 sq. ft. cement sidewalk at 25¢ ft., 16 sq. ft. granite block gutter at \$1 ft. and sanitary sewer to cost \$2400. Other bids received by the Board of Public Works were: Wm. Liddington, \$21,975.64; George R. Curtis, \$23,480.36 and M. S. Cummings, \$24,158.17.

BERKELEY, Alameda Co., Cal.—Petitions have been received by the City Council, A. G. Briggs, City Clerk, asking the construction of cement concrete sidewalks in Sixth street north of Gilman.

SAN FRANCISCO.—The State Harbor Board on recommendation of Engineer Frank G. White, has awarded a contract to F. R. Ritchie at \$1,938 for making repairs in pavement in the vicinity of the Ferry Building and to the Co-Operative Works at \$875 for painting shed at Pier No. 7.

FRESNO, Fresno Co., Cal.—Bids received by the County Supervisors for laying a 1-2-4 untopped concrete pavement in Elm avenue under the recently voted \$4,800,000 county highway bond issue have been rejected, on recommen-

dation of County Engineer Chris P. Jensen.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors have received, a request from the Lodi City Trustees asking that action be taken regarding the construction of a road to connect Locust, Oak, Walnut and Lodi streets with Cherokee Lane. While the proposed improvement is not within the Lodi city limits the City Trustees have agreed to pay one-half the cost of the proposed work.

OROVILLE, Butte Co., Cal.—The City Trustees have instructed Sewer Engineer Savage to submit a report at the next meeting on the construction of a sewer system from the top of Bridge Hill to Montgomery street.

RICHMOND, Contra Costa Co., Cal.—The State Railroad Commission has granted the application of the Richmond City Council to construct an undergrade crossing at Sixteenth Street, the expense to be borne by the City of Richmond and the Santa Fe Railroad. A. C. Faris is City Clerk.

MODESTO, Stanislaus Co., Cal.—The City Council, W. O. Thompson, City Clerk, has awarded a contract to the Standard Paving Co. for the improvement of Fifteenth street from the SE line of H street SE to the S line of E street and E street from the NE line of Fifteenth street NE to the W line of Burney street and Spencer street from the W line of Burney to a point E 490 feet E of James street by grading, paving with a 4-inch Portland cement concrete base and a 1½ inch bitulithic wearing surface, cement concrete curbs and gutters.

HOLTVILLE, Imperial Co., Cal.—The City Trustees have instructed City Engineer Wade to prepare plans for paving the following residential streets: Sixth St., Fern to Chestnut Ave., 32 ft. wide; Seventh St., Myrtle to Orange Ave., 32 ft. wide; and Orange to Maple 20 ft. wide; Palm Ave., 20 ft. wide; Pine Ave., Sixth to Eighth 20 ft. wide; Oranges Ave. Sixth to Seventh, 32 ft. wide; Holt Ave., Sixth to Ninth, 20 ft. wide and Ninth to north city limits 16 ft. wide.

DIXON, Solano Co., Cal.—The City Trustees are planning the installation of an electrolier system, the estimated cost of which is \$5,000.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have passed resolutions of intention providing for the improvement of the alley between 27th and 28th streets, from the south line of Y, by excavating and constructing an 8-inch vitrified, ironstone pipe sewer with 20 six-inch vitrified, ironstone Y branches and one flusher branch, and one concrete manhole with cast iron curb and cover, improving the easement through the east boundary of Urban Court from lot 43 to lot 27 by excavating, constructing an eight-inch vitrified, ironstone pipe sewer with 19 six-inch vitrified, ironstone Y branches, 2 concrete manholes with cast iron curbs and covers.

A resolution has also been passed providing for the improvement of San Fernando Way from the south line of Y street to sewer in place in 2nd ave-

nue, by excavating and constructing an 8-inch vitrified, ironstone pipe sewer with 34 six-inch vitrified, ironstone Y branches and one 6-inch vitrified, ironstone flusher branch, and the construction of two concrete manholes with cast iron curbs and covers.

MARTINEZ, Contra Costa Co., Cal.—Following low bids were received by the City Trustees for paving Talbair, High and Main streets: Municipal Improvement Co., \$82,673.00 Ransome Randall Co., 78,714.39 The low bid exceeds the engineer's estimate by \$7,409.39. The bids were taken under advisement. Other firms submitting bids were: Paul & Sayles, W. J. Schmidt, O'Brien Bros. and Clark & Henery Constr. Co.

SAN DIEGO, Cal.—The following bids were received by the Supervisors for 380 bbls. cement and 23,000 lbs. reinforcing steel for the Jacumba bridge: Cement—S. S. Schrim Commercial Co., Victor cement, \$2.64 bbl. gross, f. o. b. Victorville; Spreckels Bros. Commercial Co., Riverside cement, \$2.65 f. o. b. Crestmore; Jos. M. Kendall, Colton cement, \$2.70 f. o. b. Colton. Steel—Western Metal Supply Co., \$940; Pacific Coast Steel Co., \$1,164; American System of Reinforcing, Inc., \$969 plus 6 per ton for bending and \$15 ton for stirrups.

SANTA BARBARA, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$19,771.58 for paving portions of Santa Barbara and Arrellaga streets with 4-in. concrete base and 1½ in. Warrent surface and 5½-in. Warrent and constructing combined cement curb and gutter, concrete driven and 6-in. sewer connections. Bryant & Austin, Inc. submitted the only other bid at \$20,649.05.

TAFT, Kern Co., Cal.—The Romanite Paving Co. (Degman and Shirk) of Bakersfield, was awarded the contract for paving Fourth street from Main to Kern streets at 3¼¢ sq. ft. for grading; 2¼¢ sq. ft. for Romanite paving with 3½-in. base and 1½-in. surface, 75¢ lin. ft. for cement curb; 28¢ sq. ft. for cement sidewalks and 21¢ sq. ft. for concrete gutters. Edward M. Lynch, Central Bldg., Los Angeles, City Engineer. (28048) 1st report June 13, 1919. E

WHITTIER, Los Angeles Co., Cal.—Until 2 P. M., January 5, 1920, bids will be received by the City Trustees for furnishing 2400 tons of 4 to 24-in. cast iron water pipe, and fittings and for the necessary hollers, pumps and electric generators for pumping domestic water to the city of Whittier and generating 200 K. W. electric current. Alternate bids will be taken for electrically driven centrifugal pumps. Certified check for 5% required. Forms of proposal, contract and bonds and copies of specifications may be obtained from J. B. Lippincott, engineer, Central Bldg., Los Angeles, or from the city trustees. C. L. Trueblood, city Clerk. Following are the approximate quantities of pipe: 5156 ft. 20-in. or 24-in. Class C; 4997 ft. 20-in. or 24-in. Class B; 3156 ft. 16-in.; 2391 ft. 14-in.; 1476 ft. 12-in.; 4389 ft. 10-in.; 11,023 ft. 8-in.; 14,599 ft. 6-in. and 6755 ft. 4-in. Class B; 36,92 tons fittings. Bids will

be taken on three propositions for pumping and generating plant as follows: Prop. 1.—One 12x36-in. high-duty cross-compound double acting crank and flywheel pumping engine; two 150 H. P. water tube boilers and on 200 K. W. steam turbine generator. Prop. 2.—One 12x36-in. high-duty pump as in Prop. 1 and two 150 H. P. water tube boilers. Prop. 3.—Two direct connected 2200 G. P. M. centrifugal pumps and motors.

**GLENDALE, Los Angeles Co., Cal.**—The \$260,000 bond election carried November 12. The funds will be expended by the water and light departments as follows: New pumping plant with two wells and pump for each and large booster pump at San Fernando Road and Grand View Ave., cost, \$33,500; new 30-inch trunk line from Doran St. to entrance to Verdugo Canyon, cost, \$35,000; 7,500,000 gallon reservoir at entrance to Verdugo Canyon, cost, \$40,000; new 20-inch pressure main from reservoir to about the middle of Verdugo Canyon, cost, \$34,800; row of wells across the middle of Verdugo Canyon to bed rock, with pumps to raise water to a small reservoir or settling basin, cost, \$32,000; 16-inch pressure main from main pumping plant to Grand View Ave., cost \$19,000; reservoir at Grand View Ave., cost \$8,000; pumping plant at Grand View reservoir, cost, \$3,000; 5 miles of new water mains and laterals, cost \$34,250; electric generating plant at Verdugo Canyon reservoir, with 100 kilowatt generator driven by Pelton wheel, cost \$9,700; purchase of additional gravity water shares, \$10,000.

**SACRAMENTO, Cal.**—The City Commissioners, M. J. Desmond, City Clerk, has awarded a contract to J. W. Terrell, 1111 29th street, Sacramento, for the improvement of the alley between 38th and 39th streets, from the manhole in P street to a point 670 feet south by excavating a trench and constructing an 8-in. vitrified ironstone sewer with 26 6-in. vitrified ironstone wye branches and one 6-in. vitrified ironstone flusher branch complete and one concrete manhole with cast iron curb and cover.

**INGLEWOOD, Los Angeles Co., Cal.**—Thomas Haverly Co., Los Angeles, submitted the lowest bid at \$55,359 for furnishing and laying mains for the municipal water system, pipe to be laid with cement joints. Mike Murphy of San Francisco, submitted the lowest bid at \$56,631, pipe to be laid with lead joints. The bids were taken under advisement by the City Trustees until December 1. The \$210,000 bonds voted to acquire the existing water systems and for extensions and improvements were sold to W. R. Staats Co. at a premium of \$11,500. Olmsted & Gillette, Hollingsworth Bldg., Los Angeles, engineers. Following are the bids for furnishing and laying pipe:

Thos. Haverly Co.—13,000 ft. 4-in. Class A pipe, \$1.27 ft. for cement joints, \$1.33 for lead joints; 9825 ft. 6-in. Class A pipe, \$1.86 cement, \$1.96 lead; 4150 ft. 8-in. Class A pipe, \$2.41 cement, \$2.51 lead; 4-in. valves \$25.60; 6-in., \$39.38; 8-in., \$54.98; 2-in. \$17; 3-in. \$24.15; 4-in. \$32.75; 6-in., \$51.21; 4-in. fire hydrants on new mains, \$66.17; 6-in., \$77.84; 4-in. on old mains, \$88.75; totals, \$55,359 cement joints; \$57,160 lead joints.

Mike Murphy—4-in. pipe, \$1.33; 6-in.,

\$1.80; 8-in., \$2.60; bids on lead joints, only: 4-in. valves, \$24; 6-in., \$40; 8-in., \$70; 2-in., \$22; 3-in., \$26; 4-in., \$30; 6-in., \$41; 4-in., hydrants on new mains, \$70; 6-in., \$70; 4-in. on old mains, \$90; total, \$56,631.

Rogers Bros. Co.—4-in. pipe, \$1.36 cement, \$1.48 lead; 6-in., \$1.98 cement, \$2 lead; 8-in., \$2.51 cement, \$2.54 lead; 4-in. valves, \$30; 6-in., \$42; 8-in., \$58; 2-in., \$26; 3-in., \$32; 4-in., \$35; 6-in., \$47; 4-in. hydrants, new mains, \$81; 6-in., \$81; 4-in. old mains, \$81; totals, \$60,184 cement joints, \$60,715 lead joints.

**PHOENIX, Ariz.**—The Maricopa Co. Highway Commission will be ready to advertise for bids for construction work shortly after January 1, 1920. Standard types of permanent roads including crushed rock with bituminous surface, asphaltic concrete and cement concrete will be built. Contracts will be let in big units to obtain the most effective competition and low construction costs. One hundred miles of road surveyed must be relocated in order to provide for more economical construction. These points were brought out at a conference between the commission and representatives of various cities in Maricopa County. The commission promises to build the largest mileage possible under the \$4,000,000 bond issue.

**STOCKTON, San Joaquin Co., Cal.**—County Engineer Quail has been instructed to prepare plans for the improvement of portions of the J. A. Shepherd and L. W. Howland roads. Eugene D. Graham is County Clerk.

**BERKELEY, Alameda Co., Cal.**—The City Council, A. G. Briggs, City Clerk, has passed a resolution of intention, No. 389 N. S., providing for the improvement of Allston Way from the east line of Fulton street northerly, east to the center line of Orford street, south  $\frac{1}{2}$  of Allston Way from the center line of Oxford street east to Dana street by constructing concrete curbs and gutters and paving with a 1-inch asphaltic wearing surface; 2-inch asphaltic binder course and a 5-inch concrete base course.

**LOS ANGELES, Cal.**—Rogers Bros. Co. submitted a bid of \$86,400 for grading and paving 2,057 m. of road from Pomona Blvd. south to Orange Grove Ave. in North Whittier Heights, in Road Improvement District No. 146. The Fleming Construction Co. of Pomona submitted the only other bid at \$92,000. The work involves 17,375 cu. yds. earth excavation, 33,905 sq. yds. 5-in. concrete paving, 10,864 lin. ft. shaping roadbed, 12,560 lin. ft. cement curb 6x10x19 in., 750 cu. yds. Class A concrete for drain ditch and spillway, 412 ft. corrugated metal pipe culvert, 920 lin. ft. standard guard fence, and 12,262 lbs. reinforcing steel; average haul 1.3 miles from Hartville on Salt Lake Railway, and 3 miles from Puente.

**SANTA CRUZ, Santa Cruz Co., Cal.**—Following bids were received by the County Supervisors for furnishing and delivering highway materials for use on the county highway system:

For furnishing 3,870 bbls. of Portland cement, more or less,  
Pacific Portland Cement Co., \$2.94

per bbl. f. o. b. Santa Cruz and \$3.13; per bbl. f. o. b. other Santa Cruz County Points. The bid of the Pajaro Valley Mercantile Company was identical to that of the Pacific Portland Cement Company's bid.

Old Mission Portland Cement Co., Mills Bldg., San Francisco, The Santa Cruz Portland Cement Co., and the Henry Cowell Lime & Cement Co. each submitted a bid of \$2.93 per bbl. f. o. b. Santa Cruz and \$3.12 per bbl. f. o. b. other points.

All five bidders allow 15c per sack on return of the empties. All bids payable 30 days net or five cents per bbl. allowed within 10 days, cash discount.

For furnishing and delivering 2100 tons of sand, more or less:

Bay Development Co., \$1.10 per ton f. o. b. Santa Cruz or 60c per ton f. o. b. Lapis, Monterey County.

California Building Material Co., \$1.35 per ton and 4,300 tons of gravel together.

E. B. & A. L. Stone, \$1.00 per ton.

For 4,300 tons, more or less, granite or basalt rock:

California Building Material Co., \$1.87 per cu. yd. for gravel.

Granite Rock Co., 65c per ton on crushed rock or 50c per ton additional, delivered at Santa Cruz.

All bids were taken under advisement. H. H. Miller is County Clerk.

## FIRE EQUIPMENT

**VALLEJO, Solano Co., Cal.**—Three bids were received by the City Council, Alf Edgecombe, City Clerk, for furnishing and delivering new fire truck:

American La France Fire Engine Co. with chemical equipment, \$12,000; without chemical equipment, \$11,500.

Seagrave Co. submitted the same bid as the American La France Co.

The Stulz Co., with chemical, \$11,000 without, \$10,500.

All bids were taken under advisement.

## ASSISTANT COUNTY HIGHWAY ENGINEER APPOINTED.

**YUBA CITY, Sutter Co., Cal.**—The Board of Supervisors has selected C. W. Lauzendorf to act as assistant to County Engineer Edward Von Geldern during the building of the county highway system. Lauzendorf is to receive \$200 a month.

## IRRIGATION DISTRICT PLANNED.

**YREKA, Siskiyou Co., Cal.**—The Board of Supervisors has granted a petition to form the Shasta Irrigation District, signed by eighty-four landowners, the district embracing 10,000 owners.

The petitioners now will take the matter up with State authorities for approval before calling an election to vote bonds of \$600,000.

## HARBOR SITE FOR REDWOOD CITY ACCEPTED.

**REDWOOD CITY, Santa Mateo Co., Cal.**—The City Trustees have accepted the offer of the S. H. Frank & Co. to donate holdings at the foot of Main street for a municipal wharf.

Efforts are being made by the local Chamber of Commerce to have the harbor completed before 1921.



# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

2596 Johnson Owner 10900

2617 Baker Andrews 6500

2618 Y. M. C. A. Forbes 2700

2619 Great Western Owner 1500

2620 Schluter Mer Fink 4000

2621 Nelson Owner 3000

2622 Lincoln Cahen 1000

2623 Batti Cuneo 900

2624 Sherman Owner 1000

2625 Koerber Otten 20000

2626 Callan Campbell 681

2627 Lippitt Long 550

2628 Bone Prout 937

2629 Bone Wienholz 848

2630 West. States Morehouse 1300

2631 Kittle Grimes 16000

2632 Alfred Allred 4200

2633 Liebes Liebes 21000

2634 Mission Ter Lewis 3350

2635 Hatzis Grace 900

2636 Sullivan Swenson 950

2637 Tonningson Barrett 29927

2638 Zeile Walker 2113

2639 R. C. Archb. Vermont Mbl 87750

2640 Frnch Hspdl Franceschini 1175

2641 Francis Pac Elev 2825

2642 Cranz Ahl 600

2643 Kleiger Pattinson 1550

2644 Weissbein Owner 2950

2645 Arata Owner 1000

2646 Hesser Spargo 12773

2647 Webster Owner 2500

2648 Urban Duncan 5400

2649 Same Same 5800

2650 Fisher Fisher 4000

2651 Schubert Arras 1550

2652 Kanzee Denke 700

2653 O'Connor Bjorkman 13972

2654 Tonningson Barrett 21161

2655 Mariani G G Iron 1200

2656 Same Same 13559

2657 Same Pasqualetti 33983

2658 Willits Healy 10156

2659 Skelly Anderson 27095

2660 Brown Healing 1800

2661 Brown Healing 1600

2662 Mateas Drayvillas 500

2663 Marshall Prout 10000

2664 Nelson Owner 11000

2665 Nelson Owner 8000

2666 Kingwell Kingwell 13800

2667 Person Owner 2700

2668 Zwillingher Zoss 15000

2669 Bare Salanave 4800

2670 West Shore Ufer 850

2671 Griffin Anderson 500

2672 Sommer Levi 1000

2673 Hladik Reliable 7300

2674 Trevisan Hantzschke 5890

2675 Mission Ter. Lewis 3350

2676 De Leavaga Coliman 35000

2677 Inberg Inberg 4000

2678 Rulfs Peterson 1500

2679 United Cigar Martin 2000

2680 Same Same 2000

2681 Same Same 2000

2682 Same Same 2000

2683 Same Same 2000

2684 Same Same 2000

2685 Same Same 2000

2686 Same Same 2000

2687 Same Same 2000

(2620) NO. 2746 MISSION. Change front; erect one-story brick storage room.

Owner—Schluter Mercantile Co., Prem. Architect—None.

Contractor—Fink & Schindler, 226 13th St., San Francisco.

COST, \$4000

DWELLING

(2621) NE WAWONA & 14th Ave.

Two-story and basement frame dwelling.

Owner—F. Nelson & Sons, 2 West Portal Park, San Francisco.

Architect—None.

Contractor—Owner.

COST, \$3000

ALTERATION

(2622) SE FIFTH & Market. Change front; erect mezzanine floor.

Owner—Lincoln Realty Co., Mills Bldg., San Francisco.

Architect—None.

Contractor—Joseph Cahen, 333 Kearny St., San Francisco.

COST, \$1000

ALTERATION

(2623) N MAYNARD 200 E Congdon.

Raise dwelling; alter and repair.

Owner—A. Battl, 217 Maynard, San Francisco.

Architect—None.

Contractor—John P. Cuneo, 5079 Mission, San Francisco.

COST, \$900

STAIRS & PARTITIONS

(2624) NO. 1854 VALLEJO. Erect stairs, partition for residence.

Owner—A. G. Sherman, 358 Taylor, San Francisco.

Architect—None.

Contractor—Owner.

COST, \$1000

ALTERATION

(2625) SE ELLIS and Divisadero. Alter present 3-story frame flats into 12 apartments.

Owner—Saphio Koerber, 2100 Pacific Ave., San Francisco.

Architect—John F. Beuttler, 110 Sutter St., San Francisco.

Contractor—H. P. Otten, 555 25th Ave., San Francisco.

COST, \$20,000

REPAIRS

(2626) NO. 3320-22 CLAY ST., Repair fire damage to flats.

Owner—E. J. Callan, 1916 Broderick, San Francisco.

Architect—None.

Contractor—Mark Campbell & Son, 1709 Turk St., San Francisco.

COST, \$681

ADDITION

(2627) NO. 2221 PACIFIC AVE. Addition for bed room.

Owner—Mr. Lippitt, Premises.

Architect—None.

Contractor—Wm. Long, 2304 Fillmore, San Francisco.

COST, \$550

RESIDENCE

(2628) LOTS 11 AND 12, BLK. 7, Forest Hill. All work except shades, finish hardware, light fixtures, water heater, hot air furnace, wall paper and plumbing for a two-story frame residence and one-story garage.

Owner—Raymond H. Bone, 1070 Post St., San Francisco.

Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Contractor—J. Prout, 2020 Turk St., San Francisco.

Filed Dec. 1, 19. Dated Nov. 29, '19.

Brown coated 2484

Completed and accepted 2484

Usual 35 days 2485

Bond, Sureties, none. TOTAL COST, \$9937

File, 100 days. Plans and specifications filed.

Note: Application for building permit also filed.

PLUMBING, ETC.

(2629) PLUMBING, DRAINAGE, GAS fitting on above.

Contractor—N. George Wienholz, 3508 Mission, San Francisco.

Filed Dec. 1, '19. Dated Nov. 29, '19.

Completed and accepted 355

Usual 35 days 237

Bond, Sureties, none. TOTAL COST, \$3048

File, 100 days. Plans and specifications filed.

METAL FURRING, ETC.

(2630) SE MARKET AND SIXTH. Metal furring, lathing, plastering and ornamental work for remodeling David Hewes Building (2nd floor).

Owner—Western States Life Insurance Company, Premises.

Architect—Reid Bros, 105 Montgomery St., San Francisco.

Contractor—C. C. Morehouse, 872 Folsom St., San Francisco.

Filed Dec. 1, '19. Dated Nov. 26, '19.

On completion 75%

Usual 35 days. TOTAL COST, \$1300

Bond, \$650. Surety, United States Fidelity & Guaranty Co., Limit, Jan. 13, 1920.

File, 100 days. Plans and specifications filed.

REPAIRS

(2631) NW CALIFORNIA AND FRONT. Repair for stores and offices where damaged by fire.

Owner—Kittle Estate, by Bessie K. Taylor, Agent, 29 Glen Alpine, Piedmont.

Architect—None.

Contractor—Grimes & Drew, 134 Battery St., San Francisco.

COST, \$16,000

DWELLINGS

(2632) N TARAVAL 166, 200, 235, 270, 315, 350 and 385 E Cortes. Seven two-story and basement frame dwellings.

Owner—C. S. Allrao, 150 Onondago Ave., San Francisco.

Architect—None.

Day's work. COST, \$6000 each

ADDITION

(2633) S POST 60 E Grant Ave. Add 55x60 on roof for store and shop.

Owner—H. Liebes & Co., Premises.

Architect—Wm. Mooser, Monadnock Bldg., San Francisco.

COST, \$21,000

DWELLING

(2634) S SANTA YNEZ 70 E Otsego. One-story and basement frame dwlg.

Owner—Mission Terrace Co., 318 Kearny St., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contractor—C. Lewis, 68 Post St., San Francisco.

COST, \$3350

ROOF

(2635) NO. 1136 O'FARRELL. New tar and gravel roof.

Owner—Mrs. Hatzis, 1274 O'Farrell St., San Francisco.

Architect—None.

Contractor—John T. Grace, 1031 Rhode Island, San Francisco.

COST, \$900

RUNWAY

(2636) NOS. 301-305 GOLDEN GATE Ave. Erect runway from 1st to 2nd floor for auto salesrooms.

Owner—Walter Sullivan, 129 Sutter St., San Francisco.

Architect—None.

#### ALTERATION

(2617) NO. 2911 BAKER. Alter one story of present building into six 2-room apartments.

Owner—F. Baker, Fort Scott, Cal.

Architect—None.

Contractor—Chas. Andrews, 1825 Ellis, San Francisco.

COST, \$6500

(2618) NW GOLDEN GATE & Leav- worth. Erect support for curb and sidewalk.

Owner—Young Men's Christian Association, Premises.

Architect—None.

Contractor—A. J. H. Forbes, 1050 Monadnock Bldg., S. F.

COST, \$2700

BUILDING

(2619) SW LOMBARD & SANSONE. One-story steel transformer house.

Owner—Great Western Power Co., 11 Sansone, San Francisco.

Architect—None.

COST, \$1500

Contractor—Swenson & Franzen, 145 Natoma St., San Francisco.

COST, \$950

#### WAREHOUSE

(2637) W HOWARD 257-7½ S 12th. One-story brick warehouse. Owner—John Tonningsson, 310 California, San Francisco. Architect—T. Paterson Ross, 310 California, San Francisco. Contractor—Barrett & Hilt, Sharon Bldg., San Francisco.

COST, \$20,927

(2638) NW SANSOME and Lombard, 137-6x27½. Roof over driveway, two skylights and place steel girders over gates, etc.

Owner—Edward G. Zeile, 1501 Sansome, San Francisco.

Architect—None.

Contractor—G. H. & S. Walker, 2194 Union, San Francisco.

Filed Dec. 2, '19. Dated Nov. 28, '19.

On completion ..... \$1584

Usual 35 days ..... 528

TOTAL COST, \$2112

Bond, \$1070. Sureties, Wm. H. Chapman and C. W. Reguart, forfeit, none.

Limit, none. Specifications only filed.

#### MARBLE WORK

(2639) HOLY CROSS CEMETERY, Colma. Interior marble work for community mausoleum.

Owner—The Roman Catholic Archbishop of San Francisco, 1100 Franklin, San Francisco.

Architect—Western States Mausoleum Co.

Contractor—The Vermont Marble Co., 1541 Howard St., San Francisco.

Filed Dec. 2, '19. Dated Nov. 25, '19.

On 10th of each month ..... 75%

Usual 35 days ..... 25%

Bond, \$1070. Sureties, Wm. H. Chapman and C. W. Reguart, forfeit, none.

Limit, none. Plans and specifications filed.

Usual 35 days ..... 25%

TOTAL COST, \$17,150

Bond, \$117.50. Surety held by owner as bond. Forfeit, none. Limit, 30 days. Specifications only filed.

#### PAINTING

(2640) FIFTH AVE. and Geary. Painting at French Hospital.

Owner—French Hospital, Premises.

Architect—None.

Contractor—Francisco Franceschini, 1129 Howard, S. F.

Filed Dec. 2, '19. Dated Nov. 18, '19.

On completion ..... \$1175

Usual 35 days ..... 1175

TOTAL COST, \$1175

Bond, \$117.50. Surety held by owner as bond. Forfeit, none. Limit, 30 days. Specifications only filed.

#### ELEVATOR

(2641) LOCATION —. One 2nd hand Otis elevator.

Owner—D. Francis, (French Bank Building).

Architect—Mr. Fabre, care French Bank Building.

Contractor—Pacific Elevator & Equipment Co., 1129 Howard, S. F.

Filed Dec. 2, '19. Dated Nov. 5, '19.

On signing contract ..... \$ 750

On completion ..... 1365

Usual 35 days ..... 710

TOTAL COST, \$2825

Bond, Sureties, Forfeit, Limit, none. Specifications only filed.

#### STOILES

(2647) S BUSH 68-6 E Powell. One-story and basement brick stores.

Owner—Geo. A. Webster, 142 Drumm St., San Francisco.

Architect—Edw. T. Foulkes, 1106 Crocker Bldg., San Francisco.

COST, \$25,000

#### DWELLING

(2648) SW ASHTON and HEAD. One and one-half-story and basement frame dwelling.

Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.

Architect—Harold G. Stoner, 85 Cerritos Ave., San Francisco.

Contractor—W. C. Duncan & Co., 85 Cerritos Ave., San Francisco.

COST, \$5400

#### DWELLING

(2649) NW HEAD and ASHTON Ave. One and one-half-story and basement frame dwelling.

Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.

Architect—Harold G. Stoner, 85 Cerritos Ave., San Francisco.

Contractor—W. C. Duncan & Co., 85 Cerritos Ave., San Francisco.

COST, \$5800

#### ALTERATIONS

(2650) SW MONTGOMERY and Sacramento. Erect partitions on 2nd and 3rd floors; enlarge fire escapes and cut in 4 windows.

Owner—M. Fisher, 687 Mission St., San Francisco.

Architect—E. Holman, 687 Mission St., San Francisco.

COST, \$4000

#### CONCRETE WALLS

(2651) S SIXTEENTH 100 W Mission. Concrete wall to hold up sidewalk.

Owner—C. Schubert, 35 Hoff Ave., San Francisco.

Architect—None.

Contractor—Adam Arras, 65 Hoff Ave., San Francisco.

COST, \$1550

#### GARAGE

(2652) NO. 778 TURK (rear). One-story frame garage.

Owner—A. Kanze, 251 Post St., S. F.

Architect—None.

Contractor—E. H. Denke, 1317 Hyde St., San Francisco.

COST, \$700

#### APARTMENTS

(2653) E JULIAN AVE 125 N Sixteenth. Two-story and basement frame (6 3-room) apartments.

Owner—Mrs. Nellie O'Connor, 179 Julian Ave., San Francisco.

Architect—A. Jackson, San Jose.

Contractor—John Bjorkman, 51 Seville, San Francisco.

COST, \$13,972

#### WAREHOUSE

(2654) W HOWARD 256-7½ SW 12th SW 147-9½ NW 108-6 N 12 deg 33 min 24 E 178-6½ SW 170-9½ SE 128-9. All work for one-story brick warehouse.

Owner—John Tonningsson.

Architect—T. Paterson Ross, 310 California St., San Francisco.

Contractor—Barrett & Hilt, Sharon Bldg., San Francisco.

Filed Dec. 4, '19. Dated Dec. 2, '19.

Brick walls ready for roof trusses ..... \$5000

Roof on ..... 5000

Completed and accepted ..... 5580

Usual 35 days ..... 5581

TOTAL COST, \$21,161

Bond, \$10150. Sureties, Albert Lachman and J. T. Casey. Limit, 60 days.

Forfeit, none. Plans and specifications filed.

NOTE—Permit reported December 3. No. 2637.

#### ORNAMENTAL IRON

(2655) W MISSION 263-0½ S 29-6 S 66-2 W 74 S 42-9 W 25-9 S 14-10 W 60-3 N 123-9 E 160 and strip 8 feet wide on N bdy above 116-11 W Mission N 26-9½ NW 29 to pt and 7 of w over strip 8 feet wide along N side of 1st above described. All work for ornamental iron for theatre building.

Owner—Stephen Mariani, 2881 23rd St., San Francisco.

Architect—Reid Bros., 105 Montgomery St., San Francisco.

Contractor—Golden Gate Iron Works, 1541 Howard St., San Francisco.

Filed Dec. 14, '19. Dated Nov. 29, '19.

On completion ..... 75%

Usual 35 days ..... 25%

TOTAL COST, \$1200

Bond, \$600. Sureties, Eva Hoffman and Kate Hoffman. Forfeit, \$25. Limit, 15 days after building ready. Plans and specifications filed.

NOTE—Permit reported Nov. 22d. No. 2543.

#### ALTERATIONS

(2642) NE EDDY and Larkin. New front, repair walls and floors of drug store.

Owner—Louis Cranz, 762 Lincoln Ave., Alameda.

Architect—None.

Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco.

COST, \$600

#### FLOOR

(2643) SE FOLSON and 18th. Wood floor in store room.

Owner—Steiger & Kerr, 2201 Folsom, San Francisco.

Architect—None.

Contractor—J. Pattinson, 925 The Alameda, Berkeley.

COST, \$500

(2644) SW GEARY and 12th Ave. One-story frame battery service station.

Owner—Jacob Weisbach, Hobart Bldg., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

COST, \$2950

#### ALTERATION

(2645) NO. 2191 SAN JOSE AVE. Remove partitions to enlarge rooms, new stairs, baths, porches, electric and plumbing work, painting and

both and plastering.

Owner—Paul Arata, Premises.

Architect—None.

COST, \$1000

#### MACHINE SHOP

(2646) N POST 77-6 E Hyde E 30xN 137-6. All work for a one-story brick building (machine shop).

Owner—Lilly Hesser, San Leandro, Calif.

Architect—Mel I. Schwartz, 1202 Nevada, San Francisco.

Contractor—John Spargo, 240 Montgomery, San Francisco.

Filed Dec. 3, '19. Dated Dec. 3, '19.

Concrete foundation in ..... \$139.25

Tar and gravel roof on ..... 3193.25

Completed and accepted ..... 3193.25

Usual 35 days ..... 3193.25

TOTAL COST, \$12,125

Bond, \$6385.50. Sureties, E. P. Shortall and J. M. Hayden. Forfeit, none. Limit, 30 days. Plans and specifications filed.

(2556) FABRICATION & ERECTION

on steel on above.

Contractor—Golden Gate Iron Works, 1541 Howard St., San Francisco.

Filed Dec. 4, '19. Dated Nov. 29, '19.

Same as above.

TOTAL COST, \$13,559

Bond, \$6780. Sureties, Kate and Eva Hoffman. Forfeit, \$25. Limit, 70 days. Plans and specifications filed.

Usual 35 days ..... 25%

Bond, \$17,000. Sureties, M. C. Bricca and A. Laiolo. Forfeit, \$20. Limit, as required. Plans and specifications filed.

#### EXCAVATION ETC.

(2657) EXCAVATION, CONCRETE, carpentry, mill, hardware, painting, and glass work on above.

Contractor—G. B. Pasqualetti, 32 Harwood St., San Francisco.

Filed Dec. 11, '19. Dated Nov. 20, '19.

On 7th of each month ..... 75%

Usual 35 days ..... 25%

Bond, \$17,000. Sureties, M. C. Bricca and A. Laiolo. Forfeit, \$20. Limit, as required. Plans and specifications filed.

Usual 35 days ..... 25%

TOTAL COST, \$10,150

Bond, \$4000. Sureties, National Surety Co., 1001 Market, San Francisco.

Forfeit, none. Limit, 20 days. Plans and specifications filed.

#### EXCAVATION ETC.

(2559) SE GOLDEN GATE AVE. and Larkin E 82-6x88 137-6. All work of excavation, concrete, cement, carpentry and mill, glass, glazing and hardware for class C store building.

Owner—Skelley Estate Co., 68 Post St., San Francisco.

Architect—Matthew O'Brien, 68 Post St., San Francisco.

Contractor—Anderson & Ringrose, 320 Market, San Francisco.

Filed Dec. 19, '19. Dated Dec. 2, '19.

On or before 10th of each mo. .... 75%

Usual 35 days ..... 25%

TOTAL COST, \$27,095

Bond, \$27,095. Sureties, S. W. Mendenhall and Mary E. Ringrose. Forfeit, \$20. Limit, 120 days. Plans and specifications filed.

NOTE—Permit reported Nov. 29th; No. 2607.

#### STEPS ETC.

(2600) SE BALBOA and 3rd Ave. Erect terrace steps, cement basement floor, papering, tinting, etc., for private garage and dwelling

Owner—A. A. Brown, 425 Kearny St., San Francisco.  
 Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.  
 Contractor—George Healing, 3665 Sacramento, San Francisco.  
 COST, \$1600

**GARAGE**  
 (2662) SE BALBOA and 3rd Ave. One-story frame (private) garage.  
 Owner—A. A. Brown, 425 Kearny St., San Francisco.  
 Architect—W. H. Crim, Jr., 425 Kearny, San Francisco.  
 Contractor—George Healing, 3665 Sacramento, San Francisco.  
 COST, \$1600

**ALTERATION**  
 (2662) NO. 116 ELLIS ST. Change front, etc., for lunch counter.  
 Owner—J. Matsas, 108 East St., San Francisco.  
 Architect and Contractor—James Dravillas, 27 3rd, San Francisco.  
 COST, \$500

**RESIDENCE**  
 (2663) LOT 9, BLK. 7, FOREST HILL. Two-story and basement frame residence.  
 Owner—Regina Marshall, Forest Hill, San Francisco.  
 Architect—Wm. E. Millwain, Albany Block, Oakland, Calif.  
 Contractor—J. Prout, 2020 Turk, San Francisco.  
 COST, \$10,000

**DWELLING**  
 (2664) SW MIRAMAR and Wildwood. One-story and basement frame dwelling.  
 Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.  
 Architect—Chas. Strothoff, 2276 15th, San Francisco.  
 Day's work. COST, \$11,000

**DWELLING**  
 (2665) W PLYMOUTH AVE. 118-6 S Wildwood. One-story and basement frame dwelling.  
 Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.  
 Architect—Chas. Strothoff, 2276 15th, San Francisco.  
 Day's work. COST, \$6,000

**DWELLINGS**  
 (2666) W PLYMOUTH 126 and 396 S Montecito. Two one-story and basement frame dwellings.  
 Owner—John J. Kingwell, Butler Bldg., San Francisco.  
 Architect—Chas. Strothoff, 2276 15th, San Francisco.  
 Contractor—Kingwell Bros., 444 Natoma St., San Francisco.  
 COST, \$6,900 each

**DWELLING**  
 (2667) S ROLPH 30 W Morse. One-story and basement frame dwelling.  
 Owner—Martin Person, 200 London, San Francisco.  
 Architect—None.  
 Day's work. COST, \$2,700

**ALTERATION**  
 (2668) E SEVENTEENTH AVE. 260 S Clement. Raise, alter and repair dwelling.  
 Owner—Mrs. Ida Zwilling, 247 17th Ave., San Francisco.  
 Architect—None.  
 Contractor—Benjamin Zoss, 787 Hayes, San Francisco.  
 COST, \$1500

**ALTERATIONS**  
 (2669) NO. 314 Sutter. Erect mezzanine floor, button bath and plastering, etc.  
 Owner—Bare Bros., 255 Geary, San Francisco.  
 Architect—Ward & Blohme, 454 California, San Francisco.  
 Contractor—J. Salanave, 931 Pacific, San Francisco.  
 COST, \$4690

**REPAIRS**  
 (2670) NO. 3118 SIXTEENTH ST. Repair interior of billiard room (fire damage).  
 Owner—West Shore Land Co., 245 Montgomery, San Francisco.  
 Architect—None.

Contractor—Chas. E. Ufer, 134 Hall-leck, San Francisco.  
 COST, \$850

**ALTERATION**  
 (2671) E VALENCIA 260 N 22nd. New front for store, electric work, etc.  
 Owner—Frank Griffin, 1051 Valencia, San Francisco.  
 Architect—None.  
 Contractor—T. Anderson 56 Fair Oaks, San Francisco.  
 COST, \$500

**ALTERATION**  
 (2672) NO 121 GRANT AVE. Change Manila St. front, extend mezzanine floor.  
 Owner—Sommer & Kaufmann, Prem. Architect and Contractor—S. Levi, 243 7th St., San Francisco.  
 COST, \$1000

**RECORDED.**  
**PLUMBING ETC.**  
 (2673) S PINE 60 W Stockton 50x100. All work for plumbing, gas fitting for a 3-story frame apartment Bldg.  
 Owner—Anna Hladik.  
 Architect—J. C. Hladik, Monadnock Bldg., San Francisco.  
 Contractor—Reliable Plumbing and Heating Co.  
 Filed Dec 3, '19. Dated Nov. 14, '19. On 1st and 15th of each mo. .... 75%  
 Usual 35 days ..... 25%  
 TOTAL COST, \$1,700  
 Bond, Sureties, Forfeit, none. Limit, 90 days. Plans and specifications filed.

**STORE BLDG.**  
 (2674) SE CLEMENT and 32nd Ave. E 24xS 100. All work for one-story frame store building.  
 Owner—Domenico Trevisan 3043 Clement, San Francisco.  
 Architect—Chas. Fantoni, 550 Montgomery, San Francisco.  
 Contractor—G. M. Hantsche, 528 31st Ave., San Francisco.  
 Filed Dec 5, '19. Dated Nov. 22, '19. Enclosed and roofed ..... \$1472.50  
 Brown coated ..... 1472.50  
 Completed and accepted ..... 1472.50  
 Usual 35 days ..... 1472.50  
 TOTAL COST, \$5890  
 Bond, \$2945. Sureties, H. J. Kessel & E. St. San Francisco.  
 Filed Dec 5, '19. Dated Nov. 25, '19. Plans and specifications filed.

**BUNGALOW**  
 (2675) SANTA YNEZ S 70 E Otsego, being lot 3, Blk. N, Mission Terrace. All work for a one-story frame bungalow.  
 Owner—Mission Terrace Co., 318 Kearny, San Francisco.  
 Architect—H. C. Baumann, 251 Kearny St., San Francisco.  
 Contractor—H. C. Lewis, 68 Post, San Francisco.  
 Filed Dec 4, '19. Dated Nov. 29, '19. Enclosed ..... \$37.50  
 Brown coated ..... 37.50  
 Completed and accepted ..... 37.50  
 Usual 35 days ..... 37.50  
 TOTAL COST, \$350  
 Bond, \$1675. Sureties, Myer Friedman and E. H. Peterson. Forfeit, none. Limit, 90 days after Nov. 26. Plans and specifications filed.

**FACTORY**  
 (2676) NW FRANKLIN and FELL. One-story concrete factory.  
 Owner—De Leva, Estate Co., 244 California, San Francisco.  
 Plans by Owners.  
 Contractor—E. L. Collman, 110 Jessie, San Francisco.  
 COST, \$35,000

**APARTMENTS**  
 (2677) N TWENTIETH 125 W Church. Two-story and basement frame (3) apartments.  
 Owner—Arvid Inberg, 3446 16th St., San Francisco.  
 Plans by Owner.  
 Day's work. Cost, \$4000

**HEATING PLANT**  
 (2678) W LEAVENWORTH 27-6 S Pine. Install steam heating plant.  
 Owner—Theo. E. Ruifs, 74 Parnassus Ave., San Francisco.  
 Architect—None.  
 Contractor—C. Peterson, 730 Larkin, San Francisco.  
 COST, \$1500

**ALTERATIONS**  
 (2679) NE THIRD and MISSION. Alter and change cigar stand.

Owner—United Cigar Stores Co., 555 Howard St., San Francisco.  
 Architect—C. E. Jones, 555 Howard St., San Francisco.  
 Contractor—Wm. Martin, 110 Jessie, San Francisco.  
 COST, \$2000

## LEASES.

San Francisco County.

Dec. 3, 1919—NO. 1690 FILLMORE E line btt. Geary and Post. Hamilton V Bryan, Florence L Corbet and Carlton F Bryan to Markus Golumb and Mark Falm. 58 months. \$2500  
 Dec. 3, 1919—SW VALENCIA AND Sixteenth S 92xW 88. Geo H and Josephine Winterburn to Walter D Coffey, 8 years 2 months. \$36,400.  
 Dec. 1, 1913—SW NINETEENTH AND Valencia S 50xW 100. A F and Rose C Wahrom to Julius Drunton & Son 3 years. \$2040.  
 Dec. 1, 1913—NO. 552 HAYES. H D Haskins to Valley Cleaners & Dyers. 5 years. \$30 per month.  
 Dec. 4, 1919—SW TAYLOR & O'Farrell. The A M Merrill Ranch, inc. and Colombia Hotel Co to F D and wife Florence Lowell. 1 year. \$1200 per month.  
 Dec. 4, 1919—N JACKSON 146-5 N Polk W 114-7 N 12th. Charles M Belshaw to Crown Automobile Painting Corp. 6 years. \$30,000.

## NOTICE OF NON-RESPONSIBILITY.

San Francisco County.

Dec. 2, 1919—S BUSH 150 E Polk E 50xS 120. C E and Clarence E Schmitt, Extrs Jos L Schmitt, dec'd as to improvements on leased property.

## COMPLETION NOTICES

San Francisco County

Nov. 28, 1919—GENERAL OFFICE Building on NW 250 ft. of 100V Blk 320. Southern Pacific Co to Frederick D De Leva. Nov. 25, 1919  
 Nov. 29, 1919—W TWENTY-SIXTH Ave 55-2 S Balboa W 90xS 130. N J Nelson to N Jackson. Nov. 30, 1919  
 Nov. 29, 1919—W TWENTY-EIGHTH Ave 35 N Anza N 25xW 57-6. Thos Hamill to whom it may concern. Nov. 25, 1919  
 Dec. 2, 1919—SE VIENNA 124-73 NE Amazon NE 25xSE 100 Ptn Lot 1 Blk 60 Excl Hd. Louis Levy to Wm H Graber. Nov. 28, 1919  
 Dec. 2, 1919—W NINETEENTH AVE 125 N Balboa N 25x E 120. No. 579 19th Ave. Wm A Miller to whom it may concern. Nov. 29, 1919  
 Dec. 2, 1919—SE McALLISTER and Divisadero. Rivers Bros to Joel Johnson. Nov. 28, 1919  
 Dec. 2, 1919—E BATTERY 45-10 S Green. James Otis Trustee, etc. (A C Whitcomb, dec'd) to Alfred H Vogt. Dec. 2, 1919  
 Dec. 2, 1919—W NINETEENTH AVE 100 N Balboa N 25xW 120. Wm A Miller to whom it may concern. Nov. 29, 1919  
 Dec. 2, 1919—W TENTH AVE 225 N Judah 25x120. May Balaine to Wm H Graber. Nov. 28, 1919  
 Dec. 2, 1919—W SIXTEENTH AVE 238-3 N Cabrillo N 24-3 S 129-3 S to pt opp beg E to beg. E A Jansen to whom it may concern. Nov. 28, 1919  
 Dec. 3, 1919—NE FAIRACHT 150 NW Ellington (Porter) NW 25xSE 80 Lot 7 E 19 West End Map No. 2. Marie Ganter to H P Maas and R J McGahey. Nov. 28, 1919

## LIENS FILED.

Nov. 29, 1919—S KINGSTON 89-94 SE San Jose Ave. Mission Lumber Co (a corp) vs J Bruno, Rose Coyne and Mabel G Bruno. .... \$97.65  
 Dec. 3, 1919—N RAYMOND AVE 75 E Ruth E 25xN 100-6. Mabel G Bruno vs Thos McQuade. .... \$95  
 Nov. 29, 1919—N FIFTEENTH 25 W Dolores W 25xN 85. E C Anderson vs Shand Land Co. .... \$48  
 Jensen ..... \$252

## BUILDING CONTRACTS

## Alameda County

4019	Paifreyman	Anderson	230000
4020	Coward	Coward	6000
4018	Reid	Owner	1200
4021	Standard Invst	Owner	400
4022	Same	Same	800
4023	Times Star	Hayes	5000
4024	Noble	Noble	2800
4025	Maxwell	Place	900
4026	Manning	Owner	500
4027	Federal	Wagner	5000
4028	Chandler	Ernsberger	500
4029	Choward	Coward	500
4030	Mund	Corlett	450
4031	Bradley	Bradley	500
4032	Un. Presb. Chr	Owner	700
4033	Foster	Foster	3500
4034	Dodge	Allen	9000
4035	Gerdts	Smith	3250
4036	Merrill	Smith	1000
4037	Swissart	Owner	500
4038	Wood	Scott	1000
4039	Sims	Sims	3000
4040	Colt	Palmer	100000
4041	Dalton	Stanley	4000
4042	Lapham	Owner	3000
4043	Williams	Owner	500
4044	Same	Same	2900
4045	Same	Same	2900
4046	3rd Ch Christ Sc	Whyte	20845
4047	Endress	Texdahl	10280
4048	Fields	Fields	500
4049	Taylor	Burton	7188
4050	Parker	Greuner	10000
4051	Tangalos	Owner	700
4052	Brown	Brown	2000
4053	Western Con'g	Bradley	3600
4054	Guaragna	Fones	1585
4055	Huck	Vallony	485
4056	Cross	Cramer	2559

## DWELLING

(4018) W 105TH AVE 50 N San Leandro Creek, Oakland. One and one-half-story 4-room dwelling. Owner—E. Reid. Architect—None. COST, \$1200

## PACKING PLANT

(4019) E TWENTY-NINTH AVE 295 N Elmwood Ave., Oakland. One-story brick and concrete fruit packing plant. Owner—A. W. Paifreyman, 112 Market St., San Francisco. Architect—Washington J. Miller, 417 Market St., San Francisco. Contractor—Geo. W. Anderson, 684 16th, Oakland. COST, \$230,000

## DWELLING

(4020) W ROSAL AVE 85 S LERIDA Ave., Oakland. Two-story 8-room dwelling. Owner—J. Coward, 6081 Claremont Ave., Oakland. Architect—None. COST, \$6000

## ALTERATIONS

(4021) NO. 355 1/2 FERNSIDE BLVD., Alameda. Alterations. Owner—Standard Investment Co., 601 18th St., Alameda. Architect—None. COST, \$400

## ALTERATIONS

(4022) NO. 1351 FERNSIDE BLVD., Alameda. Alterations. Owner—Standard Investment Co., 601 18th St., Alameda. Architect—None. COST, \$800

## ALTERATIONS

(4023) NOS. 1509-11 PARK, Alameda. Alterations and additions. Owner—Times Star Co. Architect—None. Contractor—Hayes Oser Co., 416 Call Bldg., San Francisco. COST, \$5000

## DWELLING

(4024) NO. 2711 SAN JOSE AVE., Alameda. One-story 5-room dwelling. Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda. Architect—None. COST, \$2800

## ALTERATIONS

(4025) TUNNEL W Webster, Alameda. Alterations.

Owner—Maxwell Hardware Co., 14th and Washington, Oakland. Architect—None. Contractor—Nels W. Place, 310 Fairmont Ave., Oakland. COST, \$900

## ADDITION

(4026) NO. 5811 CANNING, Oakland. Addition. Owner—F. L. Manning, Premises. Architect—None. COST, \$500

## FOUNDATION

(4027) S E-FOURTEENTH 154 E 54th Ave., Oakland. Foundation. Owner—Federal Wool Mfg. Co., Mo-nadnock Bldg., San Francisco. Architect—None. Contractor—Geo. Wagner, 51 Kearny St., San Francisco. COST, \$5000

## ALTERATIONS

(4028) NO. 129 MONTE CRESTA AVE., Oakland. Alterations. Owner—Chandler & Miller. Contractor—Frank A. Ernsberger, 741 Linden, Oakland. COST, \$500

(4029) SW ROSAL & LERIDA AVE., Oakland. Garage. Owner—J. Coward, 6081 Claremont Ave., Oakland. Architect—None. COST, \$500

## ALTERATIONS

(4030) NO. 441 TWELFTH, Oakland. Alterations. Owner—F. Mund, Premises. Architect—None. Contractor—Corbett & Bayliss, 1110 Franklin, Oakland. COST, \$450

## ALTERATIONS

(4031) NO. 524 TWENTY-NINTH AV., Oakland. Alterations. Owner—Mrs. J. C. Bradley, 200 23rd Ave., Oakland. Architect—None. Contractor—F. K. Bradley, 200 23rd Ave., Oakland. COST, \$500

## FURNACE

(4032) NO. 890 UNION, Oakland. Furnace. Owner—Union Presbyterian Church. Architect—None. Contractor—Dickson & Holbrook, 2115 Haste, Oakland. COST, \$500

## DWELLING

(4033) NO. 938 ALAMEDA, Berkeley. One-story 6-room dwelling. Owner—Martha S. Foster, 2011 Indian Rock Path, Berkeley. Architect—None. COST, \$3500

## DWELLING

(4034) S AVALON AVE 115 W Claremont Blvd., Berkeley. Two-story 7-room dwelling. Owner—Mrs. Chas. Dodge, 2540 Claremont Blvd., Berkeley. Architect—F. H. Reimers, 2657 Rose, Berkeley. Contractor—F. E. Allen, 2718 Regent, Berkeley. COST, \$9000

## DWELLING

(4035) N YOLO 100 E Milvia, Berkeley. One-story 5-room dwelling. Owner—Juhl Cerdis, 2015 Francisco, Berkeley. Architect—None. Contractor—H. C. Smith, 2011 Francisco, Berkeley. COST, \$3250

## REPAIRS

(4036) NO. 2031 BANCROFT WAY, Berkeley. Fire repairs. Architect—None. Owner—Clarence Merrill, Premises. Contractor—H. C. Smith, 2011 Francisco, Berkeley. COST, \$1000

## ALTERATIONS

(4037) NO. 1540 LE ROY, Berkeley. Alterations. Owner—Harry Swissart, King George Hotel, San Francisco. Architect—None. COST, \$500

## REPAIRS

(4038) NO. 9 PLAZA DRIVE, Berkeley. Repairs. Owner—Walter S. Wood, Claremont Hotel, Berkeley. Architect—None. Contractor—G. A. Scott, 685 23rd, O.K. COST, \$1000

## DWELLING

(4039) W FAIRFAX AVE 642 N Ygnacio Ave., Berkeley. One-story 5-room dwelling. Owner—Wm. H. Sims, 1926 64th Ave., Oakland. Architect—None. COST, \$3000

## GARAGE

(4040) N GRAND AVE 100 E Webster, Oakland. Four-story reinforced concrete garage. Owner—Roger Colt, 14th and Harrison Oakland. Architect—M. I. Diggs, Union Bank Bldg., Oakland. Contractor—Palmer & Petersen, Mo-nadnock Bldg., San Francisco. COST, \$100,000

## DWELLINGS

(4041) W SEMINARY AVE 80 N Taylor, NW Seminary Ave and Taylor, Oakland. Two one-story 5-room dwellings. Owner—S. E. Dalton, 1257 46th Ave., Oakland. Architect—None. Contractor—C. B. Stanley. COST, \$2000 each

## DWELLING

(4042) E SIXTIETH AVE 160 N Avenal Ave., Oakland. One-story 6-room dwelling. Owner—Frank Lapham, 2519 61st Ave., Oakland. Architect—None. COST, \$3000

## DWELLINGS

(4043) S SHAFER AVE 32 and 66 S 33th, Oakland. Two one-story four-room dwellings. Owner—R. E. Williams, 2700 High St., Oakland. Architect—None. Contractor—Chas. C. Williams, Syndicate Bldg., Oakland. COST, \$2800 each

## DWELLING

(4044) S THIRTY-EIGHTH 91 E 2nd Ave., Oakland. One-story 4-room frame dwelling. Owner—R. E. Williams, 2700 High St., Oakland. Architect—None. Contractor—Chas. C. Williams, Syndicate Bldg., Oakland. COST, \$2900

## DWELLING

(4045) 38 S THIRTY-EIGHTH AND Shafter Ave., Oakland. One-story 4-room dwelling. Owner—R. E. Williams, 2700 High St., Oakland. Architect—None. Contractor—Chas. C. Williams, Syndicate Bldg., Oakland. COST, \$2900

## FRAME CHURCH

(4046) N NINE 120 frm E line College E 148-73 N 135, Berkeley. All work except painting for frame church. Owner—Third Church of Christ Scientists in Berkeley. Architect—Edward T. Foulkes, Crocker Bldg., San Francisco. Contractor—James Y. Whyte, 1630 27th Ave., Oakland. Filed Dec. 3, '19. Dated Dec. 1, '19. On 5th & 20th day of each month 75% Usual 35 days. TOTAL COST, \$20,945 Bond, \$10,500. Surety, Bert C. Scott. Forfeit none. Plans and specifications filed.

## DWELLING

(4047) ASHLEY AVE. N 200 W Claremont, being lot 20, blk. "C" Barne's Addition to Elmwood Park, Berkeley. All work except electric fixtures and wall papering for two-story and basement frame dwelling and garage. Owner—Mrs. Abby W. Endress, Berkeley. Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley. Contractor—Texdahl, 226 Acton Place, Oakland.

Filed Dec. 3, '19. Dated Nov. 29, '19.  
 roof on ..... 1/4  
 Plastered ..... 1/4  
 Completed and accepted ..... 1/4  
 Usual 35 days ..... 1/4  
**TOTAL COST, \$10,280**  
 Bond, Sureties, Forfeit, none. Limit, 80 days. Plans and specifications filed.

**ALTERATIONS**  
 (4048) W 106 TH AVE 225 S Royal Ave., Oakland. Alterations.  
 Owner—Joseph Fields, San Leandro.  
 Architect—None.  
 Day's work. COST, \$500

**DWELLING**  
 (4049) SE GRAND ST. 50 SW Clinton Ave., Alameda. All work for two-story frame dwelling, except painting, tiling, papering, furnace, ducts and registers, finish hardware, light fixtures and shades.  
 Owner—H. Wymann Taylor Alameda.  
 Architect—Wm. Knowles, Central Bank Bldg., Oakland.  
 Contractor—Chas. Burton, 2315 Garfield St., Alameda.

Filed Dec. 4, '19. Dated Dec. 3, '19.  
 Enclosed ..... 1/4  
 Interior plastered ..... 1/4  
 Completed and accepted ..... 1/4  
 Usual 35 days ..... 1/4  
**TOTAL COST, \$7188**  
 Bond, Sureties, none. Forfeit, \$2. Limit, March 15, 1920. Plans and specifications filed.

**GARAGE**  
 (4050) W BROADWAY 225 N Moss Ave., Oakland. One-story tile garage.  
 Owner—W. W. Parker, 570 Villa Vista Ave., Oakland.  
 Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.  
 Contractor—W. M. Greuner, 176 Grand Ave., Oakland.  
 COST, \$10,000

**ALTERATIONS**  
 (4051) NO. 441 TWELFTH, Oakland. Alterations.  
 Owner—Julius Tangalos, Premises.  
 Architect—None.  
 Contractor—Corbett & Bayliss, 1110 Franklin, Oakland.  
 COST, \$700

**DWELLING**  
 (4052) N ALCATRAZ AVE 45 E California, Berkeley. One-story 5-room dwelling.  
 Owner—Brown & Stoops, 1431 Alcatraz Ave., Berkeley.  
 Architect—None.  
 Day's work. COST, \$2000

**LATH AND PLASTER**  
 (4053) COR. PARK AVE. and Harlan St., Emeryville. All work for lath and plaster for a two-story and basement office building.  
 Owner—Western Canning Co., acting through Agt. P. J. Walker, Monadnock Bldg., San Francisco.  
 Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.  
 Contractor—Peter Bradley, 180 Jessie St., San Francisco.

Filed Dec. 5, '19. Dated Dec. 4, '19.  
 Front completed ..... 1/4  
 Plastered ..... 1/4  
 Completed and accepted ..... 1/4  
 Usual 35 days ..... 1/4  
**TOTAL COST, \$3800**  
 Bond, Sureties, Forfeit, none. Limit, 35 days. Plans and specifications filed.

**ALTERATION**  
 (4054) NO. 522 MYRTLE ST., being E Myrtle 30 N 5th N 36.78, E 37.4, W 91.43. Alter dwelling to flats.  
 Owner—L. Guaragna, 1526 Everett St., Alameda.  
 Architect—None.  
 Contractor—J. H. Fones, 832 Cleveland St., Oakland.

Filed Dec. 5, '19. Dated Dec. 4, '19.  
 Front completed ..... 1/4  
 Plastered ..... 1/4  
 Completed and accepted ..... 1/4  
 Usual 35 days ..... 1/4  
**TOTAL COST, \$1586**  
 Bond, Sureties, none. Limit, 55 days. Forfeit, \$5. Specifications only filed.

**ADDITION**  
 (4055) NO. 3066 KANSAS, Oakland. Addition.  
 Owner—F. Buck, Premises.  
 Architect—None.  
 Contractor—H. L. Vallony, 3066 Maple, Oakland.  
 COST, \$485

**DWELLING**  
 (4056) SW SEVENTY-EIGHTH AVE and Holly, Oakland. One-story four room dwelling.

Owner—Harold M. Cross, 1289 78th Ave., Oakland.  
 Architect—None.  
 Contractor—Sherman Carmien, 1321 78th Ave., Oakland.  
 COST, \$2500

## COMPLETION NOTICES

## Alameda County

Nov. 29, 1919—W HEARN 140 S Chabot Road S 40 W 136.10 N 40.16 E 133.65 Okd. Joseph Coward to whom it may concern. Nov. 28, 1919  
 Nov. 29, 1919—LOT 26 BLK 11 Map Oakridge, Bkly. Joseph Coward to whom it may concern. Nov. 28, 1919  
 Nov. 29, 1919—LOT 14 BLK 11 Map Thousand Oaks. E R Lamb to whom it may concern. Nov. 22, 1919  
 Nov. 29, 1919—S E-TWENTY-SECOND 100 SE 11th Ave SE 50xSW 100. Okd. Anita E Bradley to whom it may concern. Nov. 28, 1919  
 Nov. 29, 1919—SE E-TWELFTH and Thirty-third Ave. Okd. Jesse Sebena to George H. Lydicksen. Nov. 28, 1919  
 Dec. 1, 1919—BOUNDED BY FOOT-hill Blvd, Hillside St, 72nd Ave., Garfield St. and 69th Ave., Oakland. Chevrolet Motor Co of California to McGilvray-Raymond Granite Co.  
 Dec. 2, 1919—COLLEGE AVE 70 S Garber, Bkly. Margaret S Blair to Edward W Larmer. Nov. 25, 1919  
 Dec. 2, 1919—LOT 51 and N 5 Lot 52. Map San Antonio Court, San Leandro. Allen E Pelton to Henry Houle. Dec. 2, 1919  
 Dec. 2, 1919—E LEWIS 100 S 4th road Ave S 25x E 125, Okd. C H Nor to Hancock & Lydicksen. Dec. 1, 1919  
 Dec. 3, 1919—SE FOURTEENTH AVE 266 S E Twenty-fourth SE 77 from point beg SE 80xSW 40, Okd. Eugene Vrooman to C J Nelson. Nov. 21, 1919  
 Dec. 4, 1919—NO. 31 HIGH COURT, Berkeley. N. C. Cornwall, agt. J. W. Hollister to J. A. Wilson. Nov. 1919  
 Dec. 3, 1919—COR. ARLINGTON & Indian Rock Aves, Bkly. Dr E L Loring by James W Plackek to Heights, Fresno. Nov. 28, 1919  
 Dec. 4, 1919—LOT 11 Map Claremont Manor, Oakland. Jesse Robinson to Rose W Littlefield. Dec. 3, 1919  
 Dec. 5, 1919—BOUNDED BY FOOT-hill Blvd, Hillside St, 72 Ave., Garfield St. and 69th Ave., Oakland. Chevrolet Motor Co of California by F J Walker Co to Peter Bradley. Dec. 1, 1919

## OAKLAND BUILDING PERMITS FOR THE MONTH OF NOVEMBER, 1919.

Classifications of Buildings	No. of Permits	Costs
1-story dwellings.....	69	\$164,832
1½-story dwellings.....	4	11,600
1½-st dwlg & garage 1.....	1	2,800
2-story dwellings.....	11	57,900
2-story flats.....	4	35,550
2-story apartments.....	2	42,000
1-story store.....	2	7,250
2-story warehouse.....	1	1,000
1-st machine shops 4.....	4	6,100
1-st foundry, add'n cost 1.....	1	10,000
1-story greenhouse.....	1	300
2-st concrete cannery.....	1	100,000
2-st concrete boiler hse 1.....	1	12,000
1-st concrete garages.....	2	3,300
1-st brick garage.....	2	28,500
1-story brick shed.....	1	100
1-story brick addition.....	1	2,000
1½-st steel warehouse 1.....	1	20,000
1-st garages & sheds.....	93	17,570
Tank frames.....	3	625
Electric signs.....	16	3,100
Additions.....	50	31,771
Alterations & repairs.....	70	37,107
Total.....	331	\$595,465

## SUMMARY.

New construction.....	261	\$558,358
Alterations & repairs.....	70	37,107
Total.....	331	\$595,465

## BUILDING CONTRACTS.

## Santa Clara County.

**STATION**  
 FIRST and FLOYD STS., San Jose.  
 Piling station.  
 Owner—Standard Oil Co.  
 Architect—None.  
 Day's work. COST, \$1000

**DELMAS** bet. Hull and Coe, San Jose.  
 Two 5-room cottages.  
 Owner—Cole Realty Co., 719 Cole St., San Francisco.  
 Architect—Owner.  
 Day's work. COST, \$3000 each

## BUILDING CONTRACTS.

## Fresno County.

**REPAIRS**  
 NO. 3335 KERCKHOFF ST., Fresno.  
 Repairs.  
 Owner—Mrs. G. K. Jones, 3335 Kerckhoff St., Fresno.  
 Architect—None.  
 Contractor—C. Saunders, 232 Yosemite, Fresno.  
 COST, \$2000

**OIL STATION**  
 LOTS 39, 40, BLK. 2, Muller & Northcroft Add. Fresno.  
 Owner—Standard Oil Co. Premises.  
 Architect—None.  
 Day's work. COST, \$1500

**DWELLING AND GARAGE**  
 LOTS 100 AND 101, DEL MAR Tract, Fresno. Frame dwelling and garage.  
 Owner—C. L. Laylor, 3734 Illinois St., Fresno.  
 Architect—None.  
 Day's work. COST, \$3500

**DWELLING AND GARAGE**  
 LOT 3, BLK. 182 HAZELWOOD, Fresno. Frame dwelling and garage.  
 Owner—H. S. Smith, 2804 Belmont, Fresno.  
 Day's work. COST, \$3400

**DWELLING**  
 LOTS 17, 18, BLK 17, ARLINGTON Heights, Fresno. Frame dwelling.  
 Owner—G. G. Baley, Fresno.  
 Architect—None.  
 Day's work. COST, \$1500

**ADDITION**  
 LOTS 23 TO 28, BLK. 65, Fresno. Addition to building.  
 Owner—Benham Co., 1420 H St., Fresno.  
 Architect—None.  
 Contractor—Trewthitt - Shields Co., Rowell Bldg., Fresno.  
 COST, \$25,000

**ALTERATION**  
 NO. 1133 "J" St., Fresno. Alter, etc.  
 Lessee—Joe Maracci & J. L. Daly, 985 N Van Ness Ave., Fresno.  
 Architect—None.  
 Contractor—J. L. Daly, 15 St. Andrews Apts., Fresno.  
 COST, \$15,000

**DWELLING AND GARAGE**  
 LOT 6, BLK 3, ALTA VISTA TRACT, Fresno. Frame dwelling and garage.  
 Owner—C. E. Bernbauer, H St., cor. Monterey, Fresno.  
 Architect—None.  
 Contractor—Short & Neads, 127 Fresno Ave., Fresno.  
 COST, \$14,000

**DWELLING**  
 LOT 22, BLK. 21 ALTA VISTA Tract, Fresno. Frame dwelling.  
 Owner—A. B. Kirk, 915 Roosevelt, Fresno.  
 Architect—None.  
 Contractor—C. V. Smith, Fresno.  
 COST, \$5500

**DWELLING AND GARAGE**  
 LOT 14, BLK. 4, ALTA VISTA TRACT, Fresno. Frame dwelling and garage.  
 Owner—A. C. Woodstock, 3944 Platt, Fresno.  
 Architect—None.  
 Contractor—C. E. Buckmaster, 1712 Lewis, Fresno.  
 COST, \$6000

**DWELLING AND GARAGE**  
 LOTS 1, 2 BLK. 11, WILSON NORTH Fresno. Frame dwelling and garage.  
 Owner—B. H. Johnson, K St., Fresno.  
 Architect—None.

Contractor—H. H. Putnam, Fresno.  
COST, \$10,000

**BUILDING.**  
LOTS 27 TO 30, BLK. 112, Fresno. Two-story and basement reinforced concrete building.  
Owner—Western Meat Co. of San Francisco.

Architect—None.  
Contractor—Lars C. Larsen and Jas. S. Sampson, Crocker Bldg., S. F.  
Filed Dec. 1, '19. Dated Feb. 24, '19.  
Monthly ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$38,000  
Bond, \$25,000. Sureties, New Amsterdam Casualty Co. Forfeit, \$25. Limit, \$2 days. Plans and specifications filed.  
NOTE—Building is completed.

### COMPLETION NOTICES.

#### Fresno County.

Recorded Accepted  
Nov. 23, 1919—LOTS 16 AND 17 BLK. 1, Maywood Tract, Fresno. H. T. Humphreys to whom it may concern. Nov. 23, 1919  
Nov. 23, 1919—LOTS 13 AND 14 BLK. 4 and Lots 20 and 22 Blk. 3, Leona Heights, Fresno. C. G. Kennedy to whom it may concern. Nov. 17, 1919  
Nov. 23, 1919—LOTS 13 AND 14 BLK. 2, Allen & Binford Tract, Fresno. Walter C. Smith to whom it may concern. Nov. 23, 1919  
Dec. 4, 1919—SEC. 11, 19-15. Oil well No. 27, Southern Pacific Co. to whom it may concern. Nov. 24, 1919

### BUILDING CONTRACTS.

#### Sacramento County.

**DWELLING**  
NO. 1101 FORTY-EIGHTH ST., Sacramento. One-story 4-room frame dwelling.  
Owner—P. Malerdi, 1006 48th St., Sacramento.  
Architect—None.  
Contractor—L. T. Gould, 600 Ventura, Sacramento.  
COST, \$3000

**RESIDENCE**  
NO. 1917 SEVENTH ST., Sacramento. One-story 6-room frame residence.  
Owner—St. Mary's Church, 1915 7th, Sacramento.  
Architect—None.  
Contractor—E. Vanna, Sacramento.  
COST, \$6500

**RESIDENCE & GARAGE**  
NO. 2361 PORTOLA DRIVE, Sacramento. One-story 5-room frame residence and garage.  
Owner—H. P. Davidson, 2431 Stockton Road, Sacramento.  
Architect—None.  
Contractor—T. Johnson, 2000 "I" St., Sacramento.  
COST, \$4000

**DWELLING AND GARAGE**  
NO. 519 THIRTY-FIRST ST., Sacramento. Two-story 6-room frame dwelling and garage.  
Owner—J. Eichenhofer, 3300 2nd Ave., Sacramento.  
Architect—None.  
Day's work. COST, \$4000

**RESIDENCE**  
NO. 2330 THIRTY-SEVENTH ST., Sacramento. One-story 5-room frame residence.  
Owner—A. J. Perrone, 3630 "Y" St., Sacramento.  
Architect—None.  
Day's work. COST, \$3500

**ADDITION**  
NO. 2504 "J" ST., Sacramento. Addition to residence.  
Owner—G. N. Shane, Prem ses.  
Architect—None.  
Day's work. COST, \$1000

#### LIENS FILED.

#### Sacramento County.

Recorded Amount  
Nov. 23, 1919—LOTS 132, 133 AND 134, Lemon Hill Tract, Sacramento. E. J. Brickell vs S. E. Whiting. \$899.30

### BUILDING CONTRACTS.

#### San Joaquin County.

**BANK FIXTURES**  
NW EIGHTH AND CENTRAL STS., Tracy. Fixture work for bank.  
Owner—Bank of Tracy, Premises.  
Architect—W. H. Weeks, 75 Post St., San Francisco.  
Contractor—Fink & Schindler, 226 13th St., San Francisco.  
COST, \$11,570

**RESIDENCE & GARAGE**  
PERSHING DRIVE & ORANGE ST., Stockton. Frame residence and garage.  
Owner—F. P. Dobson, 27 W Oak St., Stockton.  
Architect—None.  
Day's work. COST, \$4100

**RESIDENCE**  
YOSEMITE SUBD., Stockton. Residence.  
Owner—M. Poletto, Stockton, Calif.  
Architect—None.  
Day's work. COST, \$1000

### COMPLETION NOTICES.

#### San Joaquin County.

Recorded Accepted  
Dec. 4, 1919—NORTH MANTECA ADDITION LOT 18 BLK. 9, City of Manteca. A. S. Bomberger to Dan Bay-singer. Dec. 3, 1919

#### LIENS FILED.

#### San Joaquin County.

Recorded Amount  
Dec. 4, 1919—POWERS SUB-DIVISION OF NW ¼ of Sec. 6, T. 2 S., R. 7 E., Stockton. Manteca Lumber Co. (a Corp) vs H. H. Jordan and Christine M. Jordan. \$52.51

### SEWER WORK PLANNED.

HANFORD, Kings Co., Cal.—The City Council has instructed the Clerk to secure data regarding costs, etc., for the construction of a sewer district outside the city limits to connect with the present sewer system.

It is probable that funds to finance the project will be raised through a bond issue

### PAVING BIDS OPENED.

LOS ANGELES, Los Angeles Co., Cal.—The following bids were received by the Board of Supervisors of Los Angeles County for paving 2.4 miles of the harbor truck boulevard on Alameda street between Burton street and south city limits of Compton, in Road District No. 4:

Rogers Bros. Co., Los Angeles (1) excavating \$1 cu. yd.; (2) shaping road bed, 30c lin. ft.; (3) placing disintegrated granite, \$1 per ton; (5) concrete paving, \$20 cu. yd.; (7) reinforcing rods, 10c per lb.; (7-a) (1) rolled wire mesh, ½ sq. ft.; (2) sheet wire mesh, \$0.04 per sq. ft.; (8) pipe rail, \$3 per lin. ft.

D. L. Gaskill, Los Angeles (1) \$1.50; (2) 30c; (3) 75c; (5) \$1.58; (6) \$18; (7) 10c; (7-a) (1) ½c; (2) \$0.07; (8) \$2.50.

Fairchild-Gilmore-Wilton Co., Los Angeles (1) 75c; (2) 40c; (3) \$1; (5) \$1.66; (6) \$15; (7) 10c; (7-a) (1) ½c; (2) ½c; (8) \$5.

Geo. R. Curtis, Los Angeles (1) \$1; (2) 48c; (3) \$1.65; (5) \$1.90; (6) \$15; (7) 10c; (7-a) (1) 1c; (2) ½c; (8) \$1.50.  
The approximate quantities are: 500 cu. yds. excavation; 12,802 lin. ft. shaping roadbed; 7603 cu. yds. 1:2.4 concrete paving; and construction of a reinforced concrete culvert, 25x ft., estimated to cost about \$700. The

paving will be 24 ft. wide and 3-in. thick, reinforced with disintegrated granite shoulders. The county will furnish 11,481 bbls. cement; 316,266 sq. ft. electric welded rectangular mesh reinforcing and 7820 tons disintegrated granite. The bids were referred to the road department.

### NEW ORPHEUM THEATRE PLANNED FOR SAN FRANCISCO.

SAN FRANCISCO.—The Orpheum Theatre and Realty Co. has enlarged its incorporation taking in several other circuits and are planning the erection of a new Class "A" theatre building for San Francisco to seat from 3000 to 4000 persons. A new location will be selected.

G. Albert Lansburgh, 604 Mission St., will probably be selected architect as it is planned to duplicate the State-Lake Theatre in Chicago, for which he drew the plans.

### BIDS WANTED FOR FRESNO COUNTY HIGHWAYS.

FRESNO, Fresno Co., Cal.—The County Supervisors have instructed County Clerk D. M. Barnwell to receive bids up to January 9th, 2 P. M., for the paving of Elm and Black avenues under the recently voted county bond issue. The call for bids will provide for four specifications as follows:

Cement concrete base of 1—3—6 mixture, with Warrenite surfacing; base of the same materials, with a Jensenite surfacing; black base, or asphalt-concrete with a Warrenite surfacing, and black base with a Topeka top.

Chris P. Jensen is County Highway Engineer.

### LAWN SPRINKLER SYSTEM BIDS OPENED.

SACRAMENTO, Cal.—Two bids were received by the City Commissioners, M. J. Desmond, City Clerk, for the installation of a lawn sprinkler system for Helvetia Park. The bids were:

Scott, Lyman & Stack ..... \$690  
Cowles & Co. .... 644  
Both bids were taken under advisement.

### LOCAL PLANNING EXPERT TO GET SPOKANE POSITION.

SPOKANE, Wash.—Chas. S. Cheney, Crocker Bldg., San Francisco, has been chosen by the City Council to fill the position of City Planning Expert at a salary of \$3,600 per year.

### IRRIGATION DITCH REPAIR ASKED

COLUMBIA, Tuolumne Co., Cal.—Thirty-four farmers in the vicinity of Columbia have applied to the State Railroad Commission asking that it compel the Sierra and San Francisco Power Company to repair the irrigation ditch known as the Columbia Canal so they might secure sufficient water to irrigate their lands.

The farmers agree to repair their ditch themselves providing the power company furnishes the necessary materials. Among those who placed the matter before the Commission are: Bell Marble Co., Corp.; A. E. Caldwell; Grant Allen; T. A. Winn, and Antone Pedesto.

**BIDS OPENED FOR SANITARY SEWERS.**

LOS ANGELES, Cal.—John Balch, 696 Twelfth St., San Pedro, submitted the lowest bid at approximately \$233,000 for constructing clay pipe sanitary sewers in Gulf avenue between B and Anaheim streets, and other streets in the Gulf Avenue Sewer District, Wilmington. Bids were opened by the Board of Public Works, December 1, 1919. Other bidders were: John Balch, Mike Chutuk and C. D. Soteras.

**SANTA CRUZ COUNCIL PLANS WATER IMPROVEMENTS.**

SANTA CRUZ, Santa Cruz Co., Cal.—The construction of a 10,000 gallon water tank on low ground and a 20,000 gallon tank on high ground in the city park for the improvement of the present water system is being considered by the Santa Cruz City Council. The installation of a pump, costing about \$470, and the construction of a road through the park, estimated to cost \$2,500 is also planned.

**BRIDGE BIDS WANTED.**

HOLLISTER, San Benito Co., Cal.—The County Supervisors have instructed the County Clerk to call bids for the construction of two concrete bridges on the Fairview-Ausaymas cut-off.

Almer Dowdy is County Clerk.

**GALVANIZED WATER PIPE CONTRACT AWARDED.**

MADERA, Madera Co., Cal.—Following bids were received by the County Supervisors, W. R. Curtin, County Clerk, for furnishing and delivering 3,150 feet of 1½" and 2,550 feet of 1" galvanized water pipe.

Howard W. Bray, Central Bank Bldg., Oakland, \$1,018.42.

W. H. Gibbs, Madera, \$1,116.

Rosenthal-Kutner Co., Madera, \$1,111.11.

W. L. Wheeler, San Francisco, \$1,041.24.

Pacific Pipe Co., San Francisco (1½" pipe only), \$672.21.

Contract was awarded to H. W. Bray.

**STREET WORK PLANNED.**

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of 35th Avenue from East Tenth Street southwest by grading; constructing concrete curbs and gutters; cement sidewalks and laying an oil-macadam base.

**PLAN TO ERECT CHURCH.**

BAKERSFIELD, Kern Co., Cal.—Announcement is made that a new Methodist Church for the east side will be built at Nile and King streets next Spring. Plans have been made for a

brick structure of Classical design, 196x77 ft., to cost \$35,000. The building will contain an auditorium seating 425 and Sunday School department. The congregation now has \$21,000.

**TO VOTE BONDS FOR SCHOOL BUILDING.**

LINCOLN SCHOOL DISTRICT, Sacramento Co., Cal.—An election will be held in the Lincoln School District December 27th to decide the question of issuing and selling bonds of \$18,000 with which to finance construction of a new school building.

Trustees of the District are: W. O. Stahl, P. C. Hansen and J. A. Reker.

**BIDS OPENED FOR GAS SYSTEM PIPING.**

HUNTINGTON, Orange Co., Cal.—R. F. Ware, Union Oil Bldg., Los Angeles, submitted the lowest bid at \$15,750 for laying pipe for the new municipal gas distributing system. Thos. Haverly Co. bid \$34,987. The bids were taken under advisement by City Trustees pending purchase of pipe.

**STREET WORK CONTRACT AWARDED.**

EUREKA, Humboldt Co., Cal.—J. W. Paine has been awarded a contract by the City Council for the grading and graveling of "A" street between Hawthorne and Long streets, on his bid of \$6,143.93. The estimate of City Engineer Hannah was \$5,768. Other bids were:

Elsemore & Jacobs.....\$6,882.45

Padgett & Kelly.....6,529.10

**STREET AND SEWER WORK PLANNED.**

SANTA CRUZ, Santa Cruz Co., Cal.—The following action was taken at the last meeting of the City Trustees for street and sewer improvements: Construction of sidewalks on both sides of Clinton street between Cayuga and Seabright avenues, laid over for further consideration.

City Engineer instructed to prepare plans for a sewer in Anthony street between Towne and Bay streets.

Plans ordered prepared for sidewalks on the north line of Third St.

**SISKIYOU COUNTY PLANS BOND ISSUE.**

YREKA, Siskiyou Co., Cal.—A movement has been started to bond the county for \$100,000 to build good roads. County Engineer Sarter will submit a report at the next meeting regarding a cross county system of highways, running from Callahan in Scott Valley to Dorris in Butte Creek Valley, a distance of about 100 miles; also a road from Sisson to the Shasta County line towards Fall River.

The construction of several wood

and concrete bridges is also included under the proposed issue.

**BRIDGE CONSTRUCTION PLANNED.**

MADERA, Madera Co., Cal.—Plans providing for the construction of a bridge over the canal at Vineyard avenue were presented at the last meeting of the City Trustees and referred to the Sugar Pine Company of Madera for approval as this company is to finance construction of the structure.

**MUNICIPAL IMPROVEMENT BONDS SOLD.**

KLAMATH FALLS, Ore.—The City Council has sold bonds of \$97,031 to finance the improvement of Esplanada, Pacific Terrace, Portland, Tenth, Market and Lincoln streets.

**TO URGE PAVING OF OAKDALE STREETS.**

OAKDALE, Stanislaus Co., Cal.—Paving plans to cost \$75,000 and which will cover the entire down town district of Oakdale, and also connect up the through highways will be submitted to the City Trustees by the Chamber of Commerce at their next meeting.

**ASSISTANT ENGINEER FOR NEVADA STATE HIGHWAYS APPOINTED.**

CARSON CITY, Nevada—George W. Borden, of the State of Washington, has been appointed assistant highway engineer for the State of Nevada.

C. C. Cottrell is Chief Engineer of the Nevada State Highway Commission.

ELECTRICAL EQUIPMENT AND Supplies—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Bids are wanted until December 17, 1919, circular 1320, for furnishing electrical equipment and supplies. For information address A. L. FLINT, General Purchasing Officer.

**CHICO PLANS MUNICIPAL SWIMMING POOL.**

CHICO, Butte Co., Cal.—Plans for a \$40,000 municipal swimming pool were presented to the directors of Bidwell Park and the Playground Commission of Chico by Architect Edwin J. Symmes.

The plans provide for a semi-circle swimming pool, 100 feet wide and 80 feet swimming distance from the inner edge to the line where the pool opens into Chico Creek.

Circular concrete walks, one for bathers and another for spectators, are provided, besides concrete dressing rooms erected in Mission style. On the south entrance to the pool a small reception room will be built.

The lake will provide for about one-half mile boating area and will hold 13 billion gallons of water.

Telephone Douglas 5114

# Valley Tie & Lumber Co.

Manufacturers and Wholesalers

## Pacific Coast Lumber Products

General Office: Eugene, Oregon

S.F. Office: 401 Balboa Bldg.

F. S. NOLAND, Resident Manager

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum

General Mill and Cabinet Work, Stock  
Doors, Sash Frames and Mouldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member

Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLACK  
AROMATIC RED CEDAR  
SOUTHWOOD-ELM-HOLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPE  
OREGON-MAPE-PLAN OAK  
QUARTERED OAK-  
WYBROCK BENDING OAK  
POPLAR-WALNUT



BOXWOOD-EBONY-IRONBARK  
JENSEN-ROA-SPANISH CEDAR  
LIGNUMVITAE-MAHOGANY  
ROSEWOOD-TEAK-RED BEAN  
SPOTTED GUM-CECROPUS WHITE  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
COWELS-TREENAILS VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUIT Abstract & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

Public Library  
Hayes & Franklin

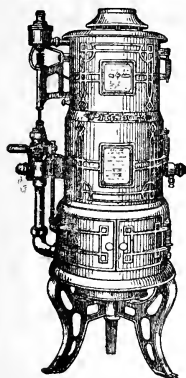
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., December 17, 1919

Published Every Wednesday  
Nineteenth Year, No 51



## A BIG THING

New Model No. 65

"Pittsburg-  
Bungalow"

Automatic Water  
Heater.

Capacity three gallons  
per minute.

Just the size to fit the  
average two-story home  
or nice Bungalow.

A "Pittsburg" Automatic Gas  
Water Heater installed in the  
home indicates high quality  
throughout.

## PITTSBURG WATER HEATER CO.

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not  
contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

Frank J. Klimm  
PLUMBER

221 Oak Street

Bet. Gough and Octavia

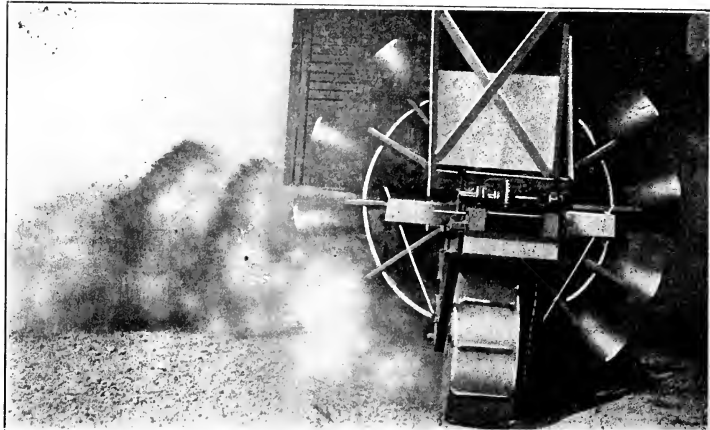
San Francisco

## DRAIN DITCHES

### MACHINE

in  
Action  
cutting  
drainage  
ditch  
without  
embankment

Leaving land free  
to be cultivated up  
to edge of drain  
ditch. Capacity of  
Machine will depend  
largely on charact-  
er of soil, but under  
ordinary  
circumstances  
it will handle  
from 200 to 300  
cubic yards  
per hour



HARTSOUGH ROTARY DITCHER

For Full Particulars Address

# Volute Ditching Machine Co.

404 Wells Fargo Express Bldg.

SAN FRANCISCO, CAL.

## IRRIGATION DITCHES.

Machine will cut  
an irrigation ditch  
to a true hydraulic  
form and by the  
simple application  
of a striking board  
is enabled to deposit  
the excavated material  
on the bank at  
the edge of the cut  
or leave as much of  
a berm as is desired.  
Wide ditches as well  
as narrow ones can  
be cut economically  
with this machine.

## ROAD CONSTRUCTION

Machine can be  
used by the Road  
Contractor in many  
different instances,  
as its ability to kick  
a lot of dirt out of  
the way in a short  
time will make it in-  
valuable where cuts  
must be disposed of  
over the road side,  
whether this be up  
or down; it should  
also prove a great  
money saver on road  
drainage ditches.

## OPERATING COSTS

Machine uses Gas  
or Kerosene for fuel  
and requires about  
2½ gallons per hour.  
Cost of Lubricating  
Oils is about half of  
the fuel cost. Two  
men can operate the  
Machine, one must  
be a gas engine man  
and the other a  
laborer, and Machine  
can be operated as  
well at night as in  
daylight.

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
560 Mission Street.  
Telephone—Douglas 3272.

J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEAD-QUARTERS.

### The Fortnightly Engineering Service Review.

The demand for draftsmen is becoming more acute every day. The greatest need appears to be in the Central West and east of Chicago, especially in small manufacturing towns. In the larger cities the supply and demand almost balance except for specially trained men.

Experienced men have left the drafting board for better paying positions in supervisory lines or as sales engineers, yet few men have taken their places. The shortage thus created is resulting in higher salaries being offered. Several employers are paying eighty-five dollars a week for experienced structural or mechanical designers, and if the present shortage continues, salaries will be advanced, no doubt, above that figure.

With the winter months ahead, building construction and highway work is decreasing considerably. Engineers experienced along those lines are less in demand. Large corporations, such as railroads, are not increasing their staffs except in a few minor positions. After the first of the year, when new appropriations are approved and additional work is necessary, there will be an abundance of work for construction engineers. Many positions for sales engineers will be open soon by firms who are doing extensive advertising.

The Service Department of the American Association of Engineers is supplying engineers in some cases to make up entire organizations, it has furnished almost every engineer on a \$4,500,000 highway construction job in the south. About twenty men were placed as highway engineers, chiefs of parties, transitmen draftsmen, computers and levelmen. American engineers are being sent to Mexico where the need for competent professional engineers is acute.

Attention is called to the first report of the practice committee of the American Association of Engineers in the December issue of The Monad.

The City Council of Oklahoma City has created a civic advisory board of nine members to give the council expert advice and assistance in administrative matters. The Oklahoma Chapter of the American Association of En-

gineers has been asked by the council to name one representative.

Dr. F. H. Newell, president of the American Association of Engineers, spoke before the Milwaukee Chapter of A. A. E. on December 5.

C. E. Drayer, secretary of the American Association of Engineers, appeared before the city officials of Cleveland in regard to an increase of salary for municipal engineers, on December 4, and addressed the Akron Club of A. A. E. on Friday, December 5.

## SAN FRANCISCO CHAPTER, A. A. E.

### Annual Meeting.

At the annual meeting of the San Francisco Chapter of the American Association of Engineers, held December 4, in the rooms of the Commercial Club, the following officers were elected:

President—Wm. S. Woolner (General Safety Agent Northwestern Pacific RR.  
First Vice-President—J. F. Johnston (Service Manager Union Construction Co.)

Second Vice-President—W. H. Phelps (Asst. Division Engineer, Southern Pacific RR.)

Treasurer—L. R. Kessing (Engineer California Railroad Commission.)  
Secretary—A. G. Mott (Asst. Engineer Southern Pacific RR.)

Prior to the announcement of the results of the election the retiring officers and committee chairmen rendered reports of their activities.

Mr. Woolner, in accepting the presidency, stated his conception of the obligation that the engineer owes to the community, indicating that the function of the American Association of Engineers should be to train and assist engineers in fulfilling that obligation and that the Association should be the mouthpiece of engineers in all public activities. He particularly emphasized the fact that this was an organization of professional technical men to talk of their non-technical interests and activities.

## NEW BOOKS.

Urbana, Ill., November 24, 1919.

In the Chemistry Department of the Engineering Experiment Station of the University of Illinois, a thorough investigation has been made of the nature of four sulphur compounds in coal, the quantity of each form present, and the change which characteristic forms undergo when the coal is

allowed to stand or is subjected to coking.

The following methods were developed for the quantitative analysis of each form of sulphur:

(1) The sulphate sulphur was determined by extraction of the coal with dilute hydrochloric acid.

(2) The pyritic sulphur was determined by extraction of the coal with dilute nitric acid; it having been found that nitric acid of a certain dilution has a selective action on sulphur combined as iron pyrites.

(3) The resinic sulphur was determined by extraction of the coal with phenol.

(4) The humus sulphur was determined either by a direct method or by the difference between the sum of the other three forms and the total sulphur in the coal.

The devising of such methods of analysis has been sought after in recent years by coal and coke investigators, but without satisfactory results up to the present time. The methods here proposed have been put to extended tests with exceedingly satisfactory results.

These investigations which were made by A. R. Powell with Professor S. W. Parr, are published in Bulletin 111 of the Engineering Experiment Station.

Copies of Bulletin No. 111 may be had without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

## COUNTY ROAD IMPROVEMENTS IN CALIFORNIA.

Some time ago the Building and Engineering News sent out a blank inquiry form to some 27 counties who had improved their roads or contemplated doing so, requesting the engineers in charge to fill out the form and return it for publication, with such other information as they might desire to give to the public pertaining to the road systems of their respective counties; 16 replies have so far been received, and we therefore feel justified in thinking that all the counties that care to answer have answered, and that we can start the publication of the information received which will naturally show up the counties who are lagging behind in giving their road systems the fullest amount of publicity, or are ashamed of the work they have put in or are contemplating to put in.

The following is a list of the counties which received the inquiry form:

Los Angeles, Orange, Riverside, San Bernardino, San Diego, Imperial, Kern, Ventura, Santa Barbara, Kings, Tulare, Fresno, San Benito, Santa Cruz, Santa Clara, San Mateo, Madera, Merced, Stanislaus, Alameda, Contra Costa, San Joaquin, Sacramento, Marin, Sonoma, Napa, and Solano.

In giving the replies we wish to thank the engineers supplying the information for their ready co-operation in making this series possible and instructive. The attitude of engineers to publicity is rapidly changing, and the modern engineer of today is availing himself of every legitimate opportunity to call the attention of the public to the engineering achievements, be they ever so small and humble. Thank you gentlemen and brother engineers.

#### BUILDING & ENGINEERING NEWS.

Per Engineering Editor.

Building & Engineering News,  
Engineering Editorial Dept.  
Gentlemen:

As per your recent letter: Am attaching hereto the information requested, concerning the Good Roads and Road Bond Issues of Los Angeles County.

Yours very truly,

GEO. W. JONES,

Acting Road Commissioner.

#### County Good Roads Bond Issue of Los Angeles County.

Year of Issue—1908, July 10.  
Amount of Issue—\$3,500,000.  
Miles of roads improved—299.07.  
Miles of oil macadam—239.07.  
Bridges built as part of bond issue—\$225,859.04.

#### Amount Spent on Good Roads in Los Angeles County to June, 1919.

Built under	Length	Cost
Old Bond Issue of 1908.....	299.07	\$3,500,000
Road District Improvement Act of 1907.....	151.91	1,850,000
County General Road Fund.....	242.81	2,920,000
<b>Total.....</b>	<b>693.79</b>	<b>\$8,270,000</b>
<b>Road District Improvement—</b>		
Oiled macadam (22' wide).....	101.59	
Concrete (18' to 24' wide).....	34.48	
Disintegrated Granite.....	10.11	
Graded Dirt Roads.....	5.73	
<b>Total.....</b>	<b>151.91</b>	
<b>General Fund—</b>		
Oiled macadam (22' wide).....	421.86	
Concrete (18' to 24' wide).....	38.67	
Disintegrated Granite.....	8.73	
Graded Dirt Roads.....	5.62	
<b>Total.....</b>	<b>474.88</b>	
<b>Built by County Road Maintenance Dept.—</b>		
Disintegrated Granite.....	67.00	
Oiled and Dirt Roads.....	3325.00	
<b>Total.....</b>	<b>3392.00</b>	
	151.91	
	474.88	
<b>Grand Total mileage.....</b>	<b>4018.79</b>	

These figures include all roads built by the County and taken over by the State and by Cities.

#### FOREIGN TRADE OPPORTUNITIES.

[Reserved addresses may be obtained from the Bureau and its district and co-operative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases. Symbols: \*Reported by American consular officers; tre-

ported by commercial attaches and trade commissioners; †Direct inquiries received by the Bureau.]

**31183 Building Materials.**—A merchant in Argentina desires to purchase iron in bars, woods, construction materials, copper wire, hardware in general, and will also accept commissions, shipments, and agencies. References.

**31185 Machinery.**—A commercial agent in Columbia desires to secure an agency for the sale of agricultural implements and machinery, and paints. References.

**31314 Motors, Building, Materials, Etc.**—A firm in Canada desires to secure the sole agency for the sale of first-class gas engines for fishing boats, and to purchase, with agency rights, the following: Fishermen's outfits and equipment, such as halibut hooks, nets for salmon fishing, ropes, blocks, pulleys, rubber boots, coats, trousers, hats and all supplies for outfitting fishing fleets; medium and low priced motor cars and trucks; medium priced metal ceilings, metal laths, steel mantels, cornices, and similar products for building purposes; iron, steel and tile pipe for drains, sewers, etc.; and also roofing materials, and tiles for constructing buildings and dwellings. Quotations should be given c. i. f. destination. Terms, cash for first order. Reference.

**31324 Manufacturers' Machinery.**—A firm of manufacturers' agents in Australia desires to secure agencies for

an agency for the sale in Southern Russia of machine tools and overhead equipment for machine shops. Reference.

**31325 Hardware.**—A company in China desires to purchase hardware and tools, a list of which may be obtained from the bureau or its district offices. Quotations should be given c. i. f. Chinese port. Payment, through bank in New York. Reference.

**31344 Agricultural Implements, Etc.**—An agency is desired by a man from Brazil who will be in the United States for the next few months for the sale in his country of agricultural implements, dairy machinery, tractors, stump pullers, cotton gins, baling presses, seed-crushing machinery, automobiles, motor cycles, typewriters, check writers, and cord and rope. Reference.

**31158 Hardware, Etc.**—A commercial agent from Australia desires to purchase and secure agencies for the sale of hardware, draperies, electrical goods, tools, stoves, clothing, dry goods, hosiery, knit goods, cosmetics, and pumps. Reference.

**31212 Glassware.**—A commercial merchant in Cuba desires to secure the representation of manufacturers for the sale of glassware, chinaware, crockery, enamel ware, hardware, paper, wearing apparel, furniture, toys, hosiery, shoes, notions, men's caps for traveling, caps and clothes for children, dress shirts and work shirts for men, and handkerchiefs. Reference.

**31229 Elevators.**—A firm in Argentina desires to secure agencies for the sale of elevators for large buildings. Correspondence may be in English. References.

**31234 Hardware.**—An agency is desired by a commercial agent from Australia who is soon to be in the United States, for hardware, aluminum goods, leather, artificial leather, tools, etc. He also desires to represent an American export and import commission house in Australia. References.

**31304 Machinery.**—An American firm of purchasing agents for a manufacturing company in Brazil desires to secure catalogues and quotations, in duplicate for the purchase of machinery for the production of bottles of all descriptions, window glass, insulators, etc.

#### BRIDGE PLANS COMPLETED.

**RED BLUFF, Tehama Co., Cal.**—Plans and specifications for the proposed Coyote Creek will be sent to the State Highway Commission for approval. It was decided at the last meeting of the County Supervisors. It is probable that the structure will be built by day labor. H. G. Kuhn is County Clerk.

#### DEPUTY CITY ENGINEER FOR SACRAMENTO NAMED.

**SACRAMENTO, Cal.**—Dan R. Cais has been appointed by City Engineer Frank C. Miller to fill the position of Deputy City Engineer Carl L. Knight, who has resigned to take up work with the Filtration Plant staff recently organized under the bond issue to finance construction of a water filtration plant for this city.

**ARBuckle, Colusa Co., Cal.**—E. Ellis and wife of Arbuckle have purchased an entire block of twenty lots in East Arbuckle on which they plan the erection of cottages to be sold under the easy payment plan.

the sale of all kinds of manufacturers' machinery, such as automatic packing and measuring machines, wrapping machines, and all machinery used by manufacturing chemists, grocers, and confectioners. The firm is able to quote for machinery set up in running order which is an asset in case of machines not previously on the Australian market. Reference.

**31331 Machinery.**—An American concern which is soon to install machine shops in Russia desires to secure

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

Contract Awarded.

**APARTMENTS** Cost, \$48,000  
**HOLLYWOOD**, Los Angeles Co., Cal.  
 Franklin Avenue and Grover St.  
 Two-story frame and plaster apartment house, 75x127 (34 rooms, 8 apts.), also garages.

Owner—John Ingelman, 2154 Beachwood Drive, Los Angeles.  
 Architect & Contractor—De Luxe Bldg. Co., 521 Union League Bldg., Los Angeles.

Plans Complete.

**APARTMENTS** Cost, \$—  
**FRESNO**, Fresno Co., Cal. Franklin & "I" Streets.

Four-story reinforced concrete apartment house; 3 two-story frame apartments houses and several 1 and 2 story frame bungalows.  
 Owner—John Manning, 924½ "J" St., Fresno.

Architects—Weeks & Day, Phelan Bldg Phelan Bldg., San Francisco.

The owner, Mr. Manning, is a contractor and will take sub-figures on portions of the work.

Plans Being Prepared.

**APARTMENTS** Cost, \$125,000  
**FRESNO**, Fresno Co., Cal. NW "N" and Kern Streets.

Four-story fireproof apartments, 50x159.

Owner—J. Crick, 1100 Van Ness Ave., San Francisco, and Robert T. Boyd, Merced, Cal.

Architects—Glass & Butler, Cory Bldg., Fresno.

Plans will be figured by San Francisco and Fresno contractors.

Contract Awarded.

**APARTMENTS** Cost, \$5,000  
**HANFORD**, Kings Co., Cal. Center and Redington Streets.

One-story frame (3) apartments, 35x70.

Owner—Miss Carlen Malone, Hanford. Architect—Not Given.

Contractor—Walter B. Holland, Hanford.

Plans Being Prepared.

**APARTMENT COURT** Cost, \$70,000  
**HOLLYWOOD**, Los Angeles Co., Cal. Wilcox Avenue.

One and two-story frame houses for apartment court (38 apts. of 3 rooms each) also garages.

Owner—W. H. Turill.

Architects—Wm. Curlett & Son, 518 Merchants National Bank Bldg., Los Angeles.

Plans Being Completed.

**APARTMENTS** Cost, \$300,000  
**PORTLAND**, Ore. Tenth and Main Sts. Brick and terra cotta apartments (31 suites of 2 and 4 rooms each) 150 x100.

Owner—C. V. Everett et al.

Architects—Ellis F. Lawrence and W. G. Holdford, Chamber of Commerce Bldg., Portland, Ore.

Sketches Being Prepared.

**ALTERATIONS** Cost, \$—  
**SAN FRANCISCO**, California Street near Divisadero.  
 Alter frame flats into (6) apartments.  
 Owner—Withheld.  
 Architect—C. C. Dakin, 110 Sutter St., San Francisco.

**FRESNO**, Cal.—Edward Hertweck, 1031 "Q" St., Fresno, has purchased the Marshall brick apartment house at 1025 "P" street, and will add a second story at a cost of \$25,000, providing 10 additional apartments.

Plans Being Prepared.

**APARTMENTS** Cost, \$25,000  
**OAKLAND**, Alameda Co., Cal.  
 Two-story frame apartment house (7 apts. 1 5-room and 6 3-room).

Owner—Withheld.

Architect—A. A. Cantin, 68 Post St., San Francisco.

Contract Awarded.

**APARTMENTS** Cost, \$—  
**FRESNO**, Fresno Co., Cal. Corner Van Ness and Alhambra Streets.

Two-story frame and stucco (4) apartments, 62x74, 6 rooms each.

Owner—Louis Scholler, 1408 "L" St., Fresno.

Architect—Robert Hotchkiss, Rowell Bldg., Fresno.

Contractor—Emmett Riggins, Mason Bldg., Fresno.

### BANKS

Segregated Figures to be Taken This Week.

**BANK BLDG.** Cost, \$100,000  
**HEALDSBURG**, Sonoma Co., Cal. West and Powell Streets.

One-story brick and hollow tile bank building, 60x100.

Owner—Healdsburg National & Savings Bank.

Architect—Fred'k. H. Meyer, Bankers' Invst. Bldg., San Francisco.

Contract Awarded.

**INTERIOR WOOD WORK** Cost, \$14,000  
**SAN FRANCISCO**, NE Market and Sansome Streets.

Interior fixtures and wood work for alterations to bank building.

Owner—Anglo California Trust Co.

Architects—H. H. Winner Co., Humboldt Bank Bldg., San Francisco.

Contractor—Fink & Schindler, 226 13th St., San Francisco.

**LOS BANOS**, Merced Co., Cal.—The Folsom Street Iron Works, 18th and Treat Ave., San Francisco, have been awarded a contract for the ornamental iron and Fenestra sash for the new one-story Class "A" bank building for the First National Bank at Los Banos.

Plans were prepared by Architect Frank Mayo of Stockton. The Mayo, Schutes & Zinck Co. of Stockton have the general contract.

### BONDS

**YREKA**, Siskiyou Co., Cal.—Bids will be received by W. J. Neilson, Clerk of the Board of Supervisors, up to January 5th, 1920, for the purchase of the \$13,000 bond issue of the Edgewood School District. Proceeds of the sale will finance school improvements.

**BERKELEY**, Alameda Co., Cal.—Bids will be received by County Clerk Geo. E. Gross, Oakland, up to December 29th, 10 A. M., for the purchase of \$500,000 in bonds to finance construction of new schools and additions for the Berkeley School District.

A. G. Briggs is City Clerk of Berkeley.

**OAKLAND**, Cal.—The Bank of Italy has purchased from the Alameda County Supervisors the \$370,000 worth of Oakland High School and \$445,000 grammar school bonds, which will finance construction of school improvements.

**MODESTO**, Stanislaus Co., Cal.—Bonds of \$289,000 for street, storm sewers, an addition to filter beds in connection with the sewers and for the extension of the present water system were voted at the election held recently.

Five other propositions including \$50,000 for an aviation field and fair grounds were defeated by a narrow margin.

**HANFORD**, Kings Co., Cal.—Bids will be received by the County Supervisors up to December 29th, 2 P. M., for the purchase of the recently voted bonds issue to finance school improvements.

Bids for the \$350,000 issue of the Hanford Union High School District will be opened on the same date at 11:30 A. M.

Architect Ernest J. Kump, Rowell Bldg., Fresno, has been in Hanford seeking a commission to prepare plans for a portion of the work planned under the sale of the bonds.

**VISALIA**, Tulare Co., Cal.—The County Supervisors at their last meeting sold the following bond issues of Tulare County School Districts: Strathmore Union High School District—Bonds of \$55,000.

Allila School District, \$12,000.

Welcome School District, \$2,000.

Lake View School District, \$8,000.

The latter three are grammar school districts. Ernest J. Kump of Fresno is the architect for the Strathmore school.

**REDWOOD CITY**, San Mateo Co., Cal.—The County Supervisors have received a request from McDonnell & Co., asking the return of its certified check covering the purchase of the \$23,000 bond issue of the Visitation School District. It is stated that the sale was illegal.

Plans for the building to be erected

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill.	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago	TREASURER
C. E. DRAYER	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Eng. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng., Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry., Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F. Cal.	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F. Cal.	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co.	THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles.....	W. P. R. R.
F. Johnston.....	Union Const. Co.
L. D. Howland.....	C. C. Moore Co.
I. G. Grundle.....	Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown.....	S. P. R. R.
E. B. Crane.....	C. M. & P. S. Ry.
P. J. Rowell.....	I. C. C.

### COMPENSATION COMMITTEE

G. M. Nelson.....	Consulting Eng.
E. V. Vandercook.....	S. P. R. R.
W. T. Cleland.....	Chief Dep. Sur. Santa Clara Co.
V. D. Cousins.....	P. T. & T. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp.....	S. P. R. R.
EMPLOYMENT REPRESENTATIVE	

### MEMBERSHIP COMMITTEE

F. J. Amweg.....	Consulting Eng.
D. L. Reynolds.....	Pac. Fruit Ex. Co.
J. Amweg.....	Consulting Eng.
W. H. Rupp.....	S. P. R. R.
E. D. Brown.....	Redwood Mfg. Co.
Clarence D. Stone.....	S. F. Co.
A. B. Hartley.....	S. P. Co.
H. W. Shrieber.....	City of Oakland
F. E. Gelbel.....	S. P. Co.
C. B. Newberry.....	Inter. Comm. Com.
J. F. Johnston.....	Union Const. Co.
E. V. Vandercook.....	S. P. Co.

### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.
W. S. Wollner.....	N. W. P. Co.

### QUALIFICATION COMMITTEE

W. H. Phelps.....	S. P. Co.
O. R. West.....	A. T. & S. F. Co.

### PUBLICITY COMMITTEE

E. D. Brown.....	Redwood Mfg. Co.
G. M. Nelson.....	Consulting Eng.

### POLITICAL COMMITTEE

E. H. Herbert.....	Oliver Mfg. Co.
--------------------	-----------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHAPTERS & CLUBS:

### SACRAMENTO CHAPTER

Lathrop, H. A.....	Secretary
1321 Thirty-third St.,	
Sacramento	California

### LOS ANGELES CHAPTER

Harris, A. L.....	Secretary
1104 Central Building	
Los Angeles	California

### PORTLAND CHAPTER

Barnes, R. W.....	Sac. & Treas.
36 Union Station	
Portland	Oregon

### FRESNO CHAPTER

Jean L. Vincenz.....	Secretary
P. O. Box 922	
Fresno	California

### SAN DIEGO CHAPTER

Grumm, Fred.....	Secretary
2888 Spruce Street	
San Diego	California

### SAN BERNARDINO CLUB

Woods, M. A.....	Secretary
608 Tenth Street	
San Bernardino	California

### EUREKA CLUB

Howard, F. W.....	Secretary
Eureka	California

## FLATS

Plans Being Prepared.

FLATS Cost, \$20,000

LOS ANGELES, Cal. Harvard Blvd. bet. Third and Fourth Sts.

Two-story frame and plaster (4) flats 49x77 (6 rooms and 2 baths each).

Owner—Dr. John McCoy.

Architects—Edw. Cray Taylor and Ellis W. Taylor, Engineer, Merritt Bldg., Los Angeles.

## GARAGES

Plans Being Prepared.

GARAGE Cost, \$15,000

SAN FRANCISCO.

One-story reinforced concrete garage.

Owner—Withheld.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

Preliminary Plans Being Prepared.

GARAGE Cost, \$30,000

SAN FRANCISCO. Washington Street near Steiner.

Two-story and basement Class "C" garage.

Owner—Louis Rothenberg.

Architect—Fred'k. H. Meyer, Bankers' Invest. Bldg., San Francisco.

Building Permit Granted.

GARAGE Cost, \$17,000

MODESTO, Stanislaus Co., Cal. Corner Tenth and F Streets.

One-story reinforced concrete garage, 100x140.

Owner—W. E. Kewin, Modesto, Cal. Architect—Not Given.

Contractor—Ernest Green, Modesto.

New Plans Being Prepared.

GARAGE Cost, \$50,000

SAN FRANCISCO. W. Dolores Street from Market to 14th Streets.

One-story and basement reinforced concrete garage.

Owner—Savings Union Bank &amp; Trust Co., O'Farrell and Grant Ave., San Francisco.

Architect—Arthur S. Bugbee, Sharon Bldg., San Francisco.

Manager &amp; Construction—C. R. Collopy

Care Savings Union Bank &amp; Trust Co., will take segregated figures in about two weeks.

WOODLAND, Yolo Co., Cal.—E. W. Armfield, Hampton Roberts and Wm. Dahler, all of Woodland, have purchased a lot, 40x190 feet, adjoining their present garage building and will erect an addition in the Spring, the work to be under the supervision of Contractor Younger of Woodland.

Plans Ready for Figures Shortly.

GARAGE Cost, \$40,000

VISALIA, Tulare Co., Cal. Locust and Acquia Streets.

One-story reinforced concrete garage.

Owner—Jos. Seabright.

Architects—Glass &amp; Butner, Cory Bldg., Fresno.

Plans Being Figured.

GARAGE Cost, \$17,000

PORTLAND, Ore. Morrison and Stout Streets.

Two-story and basement concrete, hollow tile and brick garage.

Owner—Keeley Bros.

Architect—E. Bergholtz, Spalding Bldg., Portland.

Ready for Figures Shortly.

ADDITION Cost, \$10,000

SAN FRANCISCO. Potrero Avenue.

One-story reinforced concrete addition to factory.

Owner—Jewell Steel Malleable Co., 1375 Potrero Ave., San Francisco.

Architects—Ward &amp; Blohme, 454 California St., San Francisco.

Contracts Awarded. Carpentry and Brick Work to be Figured Next Week.

ADDITION Cost, \$228,000

SAN FRANCISCO. Second and Bryant Streets.

Five-story mill construction with steel tower addition to lithograph plant also a steel and concrete press room building, 80x125, in rear.

Owner—Schmidt Lithograph Co., Prem. Manager of Construction—Frederick Whitton, 369 Pine St., San Francisco.

Steel awarded to Dyer Bros., 17th and Kansas Sts.

Concrete Work to Anderson &amp; Ringrose, 320 Market St.

Paving being done by Sibley Grading &amp; Teaming Co.

Figures will be taken next week for carpentry and exterior brick work.

Plans Being Figured.

WAREHOUSE Cost, \$30,000

LOS ANGELES, Los Angeles Co., Cal. No. 1275 Factory Place.

One-story and mezzanine floor brick warehouse, 100x300.

Owner—Philip L. Wilson.

Architect—Edw. Cary Taylor and Ellis W. Taylor, Engineer, Merritt Bldg., Los Angeles.

Plans Being Prepared.

CANNERY Cost, \$335,000

GRIDLEY, Butte Co., Cal. 13 acres of land.

One-story brick and concrete cannery, 600x160.

Owner—Libby, McNeil &amp; Libby.

Architect—Washington J. Miller, 417 Market St., San Francisco.

Engineers of the company have already completed tests of the ground preparatory to commencing the foundation work.

Contract Awarded.

LAUNDRY Cost, \$—

SANTA CRUZ, Santa Cruz Co., Cal. Front Street near Short.

One-story laundry, 60x150.

Owner—W. O. Kerrick, 125 Morrissey St., Santa Cruz.

Architect—Not Given.

Contractor—George W. Reid, 74 Locust St., Santa Cruz.

Contract Awarded.

FACTORY Cost, \$66,500

SAN FRANCISCO. NE Sixth and Clara Streets.

Three-story and basement brick factory building.

Owner—Hamburger Estate.

Architect—T. Paterson Ross, 310 California St., San Francisco.

Contractor—A. W. Lawson, 180 Jessie St., San Francisco.

Plans Being Prepared.

WAREHOUSE Cost, \$—

OAKLAND, Alameda Co., Cal. One-story brick warehouse.

Owner—Withheld.

Architect—A. W. Smith, 1010 Broadway, Oakland.

from the proceeds of the sale have been prepared by Architect Ernest Norberg, 742 Market St., San Francisco.

## CHURCHES

Plans Being Prepared.

ALTERATIONS, ETC. Cost, \$25,000

BERKELEY, Alameda Co., Cal. Dana and Channing Way.

Three-story frame and plaster annex and alter present church (lower choir loft and alter interior).

Owner—First Presbyterian Church, Berkeley.

Architect—Geo. Rushforth, 354 Pine St., San Francisco.

## FACTORIES &amp; WAREHOUSES

Plans Prepared.

FACTORY Cost, \$—

PORTLAND, Oregon.

One-story heavy timber frame "Ready-built House" factory.

Owner—Aladdin Co., 607 Yeon Bldg., Portland.

Architect—A. I. Lamb, Engineer, Aladdin Co., 607 Yeon Bldg., Portland.

SACRAMENTO, Cal.—J. E. Clark, representing the Hart-Parr Company of Charles City, Ia., is in Sacramento seeking a site on which the company plans the erection of a huge tractor plant, warehouse, and other buildings.

The company has already opened temporary offices at Eighth and L Sts., Sacramento.

Preliminary Plans Being Prepared.

WAREHOUSE Cost, \$100,000

SAN FRANCISCO. South of Market Street.

One-story reinforced concrete warehouse.

Owner—Withheld.

Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.

NOTE—Construction will not be started until Spring.

SAN FRANCISCO—City Architect John Reid Jr. reports the completion of plans and specifications for a freight elevator to be installed in the warehouse of the Board of Education on Sutter street, between Gough and Octavia streets.

A call for bids will be issued by the Board of Public Works covering this work within the next few days.

Plans to be Prepared.

PACKING PLANT Cost, \$500,000

PORTLAND, Ore. Adjoining site of Pacific International Livestock Association.

Group of fireproof buildings for packing plant.

Owner—Sterrett Packing Co., J. L. Sterrett, President, Portland, Ore.

Architect—Not Yet Selected.

Others interested in the Sterrett Packing Co. are:

George Dickson, cattleman and capitalist of Princeville and George W. Warren of Warrenton.

Preliminary Sketches Being Prepared.

WAREHOUSE Cost, \$100,000

SAN FRANCISCO. Second Street S of Harrison.

Fireproof warehouse.

Owner—Withheld.

Architect—C. C. Dakin, 110 Sutter St., San Francisco.

## GOVERNMENT WORK AND SUPPLIES

**SUPPLIES FOR THE NAVY.**—Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows:

Schedule 5157, eastern and western yards, 10 coal burning ranges, opening of December 26.

Schedule 5161, eastern and western yards, calcium carbide, opening of December 19.

Schedule 5179, Puget Sound, steel pipe and casing, opening of December 30.

Schedule 5180, Puget Sound, brass pipe and copper tubing, opening of December 30.

Schedule 5181, Puget Sound, 1 steam whistle and steam siren, opening of December 30.

Schedule 5182, Puget Sound, 670 cubic yards yellow silica sand, opening of December 26.

Schedule 5185, for Mare Island, 1 oil-cooled transformer, opening of December 23.

Schedule 5187, eastern and western yards, pneumatic rivet sets, opening of December 30.

Schedule 5188, eastern and western yards, pneumatic chisel blanks, opening of December 23.

Schedule 5189, eastern and western yards, various kinds of vises, opening of December 23.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

**WASHINGTON, D. C.**—The following bids were received November 26 at the Puget Sound Navy Yard under Yards and Docks specification 3983 for temporary storage building at Puget Sound, Wash.:

Item 1, work complete; 2, deduct for omitting all work under heading R. R. extension; 3, deduct for each interior bay omitted; 4, railroad extension; 5, add to or deduct from item 1 for each cu. yd. concrete for foundations of pyrotechnical storehouse more or less than that required by drawings; 6, do, excavation; 7, add or deduct using alternate columns for standard storehouse.

Puget Sound Bridge and Dredging Co., item 1, \$51,350, 180 days; 2, \$1,400; (3) \$1,200; (4) \$1,800, 60 days; (5) \$32.60, 6, \$2.10; 7, \$400, 150 days; (8) \$61,350, 150 days.

Dogan & Christman, (1) \$53,800, 200 days; (2) \$1,700.

The Foundation Co., (1) \$56,000, 180 days; (2) \$2,130; (3) \$4,600; (4) \$2,130, 30 days; (5) \$1,600; (6) \$2; (7) \$242.

Porter Bros. Co., (1) \$87,476, 120 days (2) \$3,581; (3) \$2,068; (4) \$3,581, 60 days; (7) \$85.

Contract Awarded. Sub-Figures Being Taken.

POST OFFICE, ETC. Cost, \$1,100,000 HONOLULU, Hawaiian Islands.

Four-story Class "A" Post Office, Court House and Custom House.

Owner—United States Government. Architects—York & Sawyer, New York.

Contractor—Hawaiian Contracting Co., Honolulu, Chief Engineer, E. S. Cykler, Nevada Bank Bldg., San Francisco.

Mr. Cykler leaves for Honolulu on Saturday and is taking sub-figures on

terra cotta, tile, hardware, plumbing,

painting and plastering.

The steel contract has been awarded to The American Bridge Co., Hialto Bldg., San Francisco.

**SAN FRANCISCO.**—Col. J. M. Kennedy, commanding officer of Letterman General Hospital, is outlining a building program for new buildings to be erected in the future. Col. Kennedy stated yesterday that construction probably would not start for more than a year as a special appropriation would have to be made by the War Department.

Construction of a chapel, new post exchange, mess halls and a hospital auditorium and other improvements are planned.

Revised Plans Being Figured. Bids Close Dec. 23, 1919.

**CENTRAL BLDGS.** Cost, \$190,000 SAN DIEGO, Cal. Marine Brigade Post, Dutch Flats.

One-story reinforced concrete central building. Specification No. 4047. Architect—United States Government.

All bids received on November 26th have been rejected and revised figures called for.

Lange & Bergstrom submitted the lowest bid at \$231,000.

Plans may be obtained from the Public Works Office of the Twelfth Naval District at San Diego.

**SAN FRANCISCO.**—The following bids were received by Supervising Superintendent of Construction J. W. Roberts, P. O. Bldg., for erecting new partitions on the 4th floor and rooms 217 and 244 of the main Post Office building, 7th and Mission Sts., San Francisco:

Barrett & Hilp, \$3,237  
A. H. Vogt, 3,443  
Ostlund & Johnson, 3,717  
Thos. F. Dowd, 3,741

**WASHINGTON, D. C.**—The following bids were received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., December 3, Specification 4077, for constructing radio towers at Keyport, Wash.

Foundation Co., 2591 Smith Bldg., Seattle, Wash., item 1, \$42,468, 180 days; item 2, 50c.

Pittsburgh-Des Moines Steel Co., Munsey Bldg., Washington, D. C., (1) \$68,800, 210 days; (1a) \$48,400, 210 days; (2) add \$1.50; deduct 75c.

Garrick & Garrick Co., 403 Central Bldg., Seattle, Wash. (1) \$4,569, 120 days; (2) 50c.

**WASHINGTON.**—The construction of a complete chain of government hospitals to care for the wounded has been asked of Congress by Surgeon General Blue, appearing before the House Appropriations Committee. Blue estimated the cost at \$85,000,000 and the capacity of 23,000 beds.

The contract for furnishing cement for use in the construction of the U. S. marine hospital, San Francisco, has been awarded to the Old Mission Portland Cement Co., Mills Bldg., San Francisco, at \$2,799.17.

The bid of the Olson-Mahony Lumber Co., 5th and Hooper Sts., San Francisco, at \$6,243, has been accepted for furnishing lumber to be used in the above building.

The contract for furnishing millwork

for use in the above building has been awarded to the National Mill & Lumber Co., 318 Market street, San Francisco, at \$6,057.

The contract for furnishing plumbing fixtures for kitchen and messhall in the same building has been awarded to The John Douglas Co., Washington, D. C., at \$3,943.30. The material is to be shipped in 60 days.

**WASHINGTON, D. C.**—All bids received by the Supervising Architect, Treasury Department, for furnishing roofing slate for the U. S. Marine Hospital, San Francisco, have been rejected. Slate roofing is not to be used for this work.

**CLASS "A" BLDGS.** Cost, \$200,000

Contract Awarded.

FORT SHAFER, Hawaii Arsenal.

Nine one-story Class "A" buildings for Ordnance Department (reinforced concrete foundations, tile walls, plaster exterior and interior, steel roof trusses, asbestos protected metal roofs.)

Owner—United States Government.

Contractor—Hawaiian Contracting Co., Honolulu.

E. S. Cykler, Chief Engineer, Care S. F. Bridge Co., Nevada Bank Bldg., San Francisco.

Mr. Cykler sails for Honolulu on Saturday and is taking sub-figures for structural steel, reinforcing materials, steel sash and doors.

All other materials have been contracted for.

## HALL &amp; SOCIETY BUILDINGS

Preliminary Plans Prepared.

**ADDITION** Cost, \$200,000

SAN FRANCISCO. N Sutter Street W of Mason.

Six-story and basement Class "C" addition, 68-9x137-6 to club building.

Owner—Women's Athletic Club, Prem. Architects—Bliss & Faville, Balboa Bldg., San Francisco.

**SACRAMENTO, Cal.**—The Sacramento Elks Lodge is contemplating the erection of a new lodge building in Sacramento to the present quarters being unable to house the growing membership. A committee has been appointed to go into details regarding the new structure.

It is proposed to sell the present \$200,000 structure at J. Eighth, and Ninth streets and place the proceeds of the sale toward erecting the new building.

**RICHMOND, Contra Costa Co., Cal.**—Application has been made to the State Corporation Department by the Redmen's Hall Association of this city to issue stock with which to secure funds for the erection of a new lodge building. The Board of Directors of the Association are:

Ira N. Jarvis, Daniel A. Noziglia, Fred L. Krieg, Emil J. Esola, John A. Miller, Arthur C. Blount all of Richmond and Hugh J. McCauley of Winehaven.

A site in Seventh street between Macdonald and Bissell avenues has already been secured.

Plans Being Prepared.

**ALTERATIONS** Cost, \$16,000

SAN FRANCISCO. No. 233 Grant Ave.



## BUILDING AND ENGINEERING NEWS

Alter 4th floor of building into hall and club rooms.  
Owner—Withheld.  
Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.

**FRESNO.** Fresno Co., Cal.—Articles of Incorporation for the Fresno Labor Temple Association are being prepared by Attorney Glen M. De Vore, 1286 Del Mar street, Fresno.  
The company will be capitalized at \$300,000 and plans the erection of a \$200,000 labor temple in Fresno.

**SALINAS.** Monterey Co., Cal.—The Salinas Lodge of Elks, No. 614, has appointed the following as a building committee to gather data for the proposed new lodge building:  
Fred Weybret, Chairman; A. Marasch, George S. Gould Jr., William Thiele, Julian Nichols, G. Lemon, F. E. Dayton, H. F. Cozzens H. E. Abbott, C. R. Melander, E. W. Palmatier, R. L. Hughes, J. F. Echeverry, R. I. Orr, and H. B. Burns.

Fred Weybret is Exalter Ruler of the Lodge.

### HOSPITALS

Contract Awarded.  
**NURSES' HOMES** Cost, \$91,865  
LOS ANGELES, Cal. County Hospital.  
Six two-story frame nurses' homes.  
Owner—Los Angeles County.  
Architect—None.

Contractor—Fred R. Johnson, H. W. Helman Bldg., Los Angeles.  
Howe Bros. were awarded the contract at \$15,907 for the plumbing work. The electrical wiring bids were rejected.

Plans Being Figured. Bids Close Jan. 6th, 1920, 11 A. M.  
**STORAGE SYSTEM, ETC.** Cost, \$—  
FAIRFIELD, Solano Co., Cal. County Hospital Grounds.

Water supply and storage system for County Hospital.  
Owner—County of Solano. G. G. Halliday, County Clerk.  
Architect—Chas. E. Perry Jr., 1209 Sutter St., Vallejo.

Plans may be seen at the office of the County Clerk at Fairfield.

**FAIRFIELD.** Solano Co., Cal.—The Marshall-Newell Supply Co., Spear and Mission streets, San Francisco, have been awarded a contract by the Solano County Supervisors for furnishing and installing hardware in the new county hospital building, they being low bidders at \$3,298.80. The only other bid was submitted by Dunham, Carrigan & Hayden Co., of San Francisco, at \$4,020. G. G. Halliday is County Clerk.

### HOTELS

Contract Awarded.  
**ALTERATIONS** Cost, \$63,420  
MERCED, Merced Co., Cal. Seventeenth and "M" Streets.

Reconstruction of hotel, converting same into sixty rooms with 30 baths.  
Owner—Hotel Merced.

Lessee—Howard & Jones.  
Architect—A. W. Cornelius, Merchants' National Bank Bldg., San Francisco.  
Contractor—C. A. Tornelli, Turlock.

Plans Being Prepared.  
**ADDITION** Cost, \$—  
RIVERSIDE, Cal. Mission Inn.  
Three-story and basement reinforced concrete hotel addition.  
Owner—Frank Miller.  
Architect—Arthur R. Benton, 114 North Spring St., Los Angeles.

Contracts Awarded.  
**ALTERATIONS** Cost, \$20,000  
SANTA CRUZ, Santa Cruz Co., Cal. Pacific Avenue.  
Alterations for hotel.  
Owner—Hotel St. George.  
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

**Structural Iron Work** to Pacific Structural Iron Co., San Francisco.  
**Marble Work** to J. E. Bach, 1533 47 San Bruno Ave., San Francisco.  
**Mill Work** to D. O. Druffel, San Francisco.

Ready For Figures In Two Weeks.  
**HOTEL** Cost, \$100,000  
BYRON, Contra Costa Co., Cal. Byron Hot Springs.

Two-story frame hotel, garage, enlarge swimming tank and baths, new club house, golf links, alter and redecorate present hotel and alterations to other buildings.

Owner—Johr Tait, San Francisco.  
Architects—Ward & Blohme, 454 California St., San Francisco.

The hotel and a portion of the other work will be figured in two weeks.

Plans Being Figured.  
**HOTEL** Cost, \$—  
BISHOP, Inyo Co., Cal.  
Two-story concrete and frame hotel (80 rooms with 60 bathrooms).  
Owner—Merrill Inn Hotel Co., Bishop.  
Architect—Karl D. Schwendener, 1316 Washington Bldg., Los Angeles.

Separate bids will be taken for the general work, plumbing, heating and wiring.

Contract Awarded.  
**HOTEL** Cost, \$750,000  
PHOENIX, Ariz. Central Avenue bet. Monroe and Van Buren Sts.  
Eight-story and basement reinforced concrete hotel building, 138x205.

Owner—Geronimo Hotel Co.  
Architects—Postle & Fischer, 140 S. Dearborn St., Chicago, Ill.  
Contractor—Paschen Bros., 111 West Washington St., Chicago, Ill.

J. H. Christain, S. J. Buckingham and the Jordan, Grace & Phelps Co. of Phoenix, are the chief promoters of the project. The M. T. Grier Hotel Co. will operate the hotel.

Plans Being Figured.  
**ADDITION** Cost, \$25,000  
MARYSVILLE, Yuba Co., Cal. No. 200 "D" Street.  
One-story brick addition (23 rooms) to three-story hotel.  
Owner—Western Hotel Co., Premises.  
Architect—August G. Headman, Call Bldg., San Francisco.  
NOTE:—Figures are being taken for a general contract.

### POWER PLANTS

Contract Awarded.  
**SUB-STATION** Cost, \$111,000  
RICHMOND, Tulare Co., Cal.  
Reinforced concrete sub-station, 67x131 (54 feet high).

Owner—Southern California Edison Co.  
Architect—Engr. Dept. of Owners.  
Contractor—Macdonald & Driver, 608 Hibernian Bldg., Los Angeles.

Owners Taking Figures.  
**SERVICE STATION** Cost, \$3,500  
SAN FRANCISCO. NW Mission and Brooks Streets.  
One-story frame service station.  
Owner—Mission Battery Service Co., 3494 Mission St., San Francisco.  
Architect—None.

### PUBLIC BUILDINGS

**FRESNO.** Fresno Co., Cal.—No bids were received by the County Supervisors for the construction of two reinforced concrete comfort stations for the court house park.

Protests were received by the Board against the erection of the buildings from plans prepared by City Building Inspector James. It was shown that both the State sanitary laws and city building laws were violated under the plans of James and after consideration the Supervisors instructed Architects and Engineers Swartz & Ryland, Rowell Bldg., Fresno, to prepare plans for the structures, the cost not to exceed \$20,000. D. M. Barnwell is County Clerk of Fresno County.  
(31132) 1st report Oct. 27; 4th Nov.

**LOS ANGELES.** Cal.—The City Council has adopted a resolution urging the State Board of Control to incorporate an item of not less than \$2,000,000 in the next budget to finance construction of a building to house state offices. The renting of numerous private offices in the city are being maintained in excess of the interests and upkeep on the proposed investment, according to the resolution.

**SALINAS.** Monterey Co., Cal.—George S. Gould Jr., Dr. Garth Parker, C. R. Melander, Howard F. Cozzens and E. W. Palmatier have been appointed as a committee to devise ways and means of securing funds with which to erect a memorial building for soldiers and sailors who lost their lives in the war.  
A. C. Hughes is Chairman of the Advisory Committee, which has the project in hand.

**PARLIER.** Fresno Co., Cal.—The Chamber of Commerce is backing the American Legion in a campaign to secure funds with which to erect a memorial building to contain gymnasium, reading rooms, dance hall, etc.

### RESIDENCES

Segregated and General Figures Being Taken.  
**RESIDENCE** Cost, \$40,000  
SAN FRANCISCO. SW Pacific Avenue and Lyon Street.  
Two-story basement and attic frame and plaster residence.  
Owner—Leo J. Clayburgh.  
Architects—Willis Polk & Co., Hobart Bldg., San Francisco.

Plans Ready for Figures.  
**RESIDENCE** Cost, \$5,000  
WILLOW CAMP, Marin Co., Cal.  
One-story, attic and basement frame country residence (5 rooms, 2 baths, showers, garage and sleeping porch). Swiss Chalet.

## Owner—Withheld.

Architect—L. A. Lapachet, 110 Sutter St., San Francisco.

## Plans Completed. Owner to Take Segregated Figures.

RESIDENCE, ETC. Cost, \$4,500  
SAN CARLOS, San Mateo Co., Cal.  
One-story frame residence and garage (8 rooms).

Owner—Wm. C. McElroy.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

## Plans Completed. Owner to Take Segregated Figures.

RESIDENCE, ETC. Cost, \$4,000  
SAN FRANCISCO. W Madrid 100 S Excelesior.

One-story 5-room frame residence and garage.

Owner—A. Sordelli.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

## Preliminary Plans Being Prepared.

RESIDENCE Cost, \$30,000  
SAN FRANCISCO. Broadway near Baker.

Two-story and basement frame and plaster residence.

Owner—S. B. Hinds, Nevada Bank Bldg., San Francisco.

Architect—Fred'k. H. Meyer, Bankers' Invest. Bldg., San Francisco.

## To Be Done by Days Labor.

RESIDENCES Cost, \$4,000 each  
MODESTO, Stanislaus Co., Cal.  
Four 1-story frame residences (rustic exterior).

Owner—Martin Nelson, Modesto.

Architect—Chas. Strothoff, 2276 15th St., San Francisco.

## Plans Being Prepared. Ready for Figures Shortly.

DWELLINGS Cost, \$6,500 each  
SAN FRANCISCO. Parkside.

Two one-story and basement frame and plaster dwellings and garages.  
Owner—Parkside Realty Co.

Architect—Chas. Strothoff, 2276 15th St., San Francisco.

## Being Done by Day Labor.

RESIDENCES Cost, \$10,000 and \$12,000 each.

FRESNO, Fresno Co., Cal. J. C. Forkner Fig Gardens.

Ten one-story and basement frame and plaster residences (12 rooms and 2 baths), separate garage with living apts. etc.

Owner—Withheld.

Architect—Chas. Strothoff, 2276 15th St., San Francisco.

NOTE—Work has been started on three of the buildings.

## Plumbing and Heating Contracts Awarded.

RESIDENCES Cost, \$—  
SAN FRANCISCO. Plymouth Avenue near Montecito, Westwood Park.

Plumbing and heating for four one-story and basement frame residences.

Owner—Dr. J. J. Kingwell, 401 Butler Bldg., San Francisco.

Architect—Chas. Strothoff, 2276 15th St., San Francisco.

Contractor—J. M. Lettich, Monadnock Bldg., San Francisco.

## Plans Being Prepared. To Be Done by Days Work.

RESIDENCES Cost, \$7,000 each

SAN FRANCISCO. Plymouth Avenue near Montecito.

Two one-story and basement frame and plaster residences and garages.

Owner—Dr. J. J. Kingwell, 401 Butler Bldg., San Francisco.

Architect—Chas. Strothoff, 2276 15th St., San Francisco.

## Contract Awarded.

RESIDENCE Cost, \$20,000  
LOS ANGELES, Cal. No. 325 Plymouth Boulevard.

Two-story frame and plaster residence (12 rooms and 3 bathrooms).

Owner—Leona H. Tyler.

Architect & Contractor—S. M. Cooper, Merritt Bldg., Los Angeles.

## Sub-Figures Being Taken.

RESIDENCE Cost, \$—  
HOLLYWOOD, Los Angeles Co., Cal.

Two-story brick residence (12 rooms and 4 bathrooms).

Owner—Hector Turnbull.

Architect—Harwood Hewitt, 1130 Van Nuys Bldg., Los Angeles.

RESIDENCE Cost, \$—  
MONTECITO, Santa Barbara Co., Cal.

Mountain Drive.  
Two-story and basement concrete and stone residence and garages (12 rooms and 4 bathrooms).

Owner—Charles Frederick Eaton.

Architect—Carlton M. Winslow, 1134 Van Nuys Bldg., Los Angeles.

## To Be Done by Days Labor and Sub-Contract.

RESIDENCE Cost, \$20,000  
LOS ANGELES. Fourth Street and Ardmore Avenue.

Two-story and basement frame and plaster residence (10 rooms and 3 bathrooms).

Owner—Alice H. Hook.

Architect—O. P. Dennis, 7017 Hawthorne Ave., Los Angeles.

## CHICO, Butte Co., Cal.—G. F. Cutler,

representing a Sacramento concern, has presented plans and specifications to the Chico Chamber of Commerce providing for the erection of ten modern dwellings under the unit plan. Under Cutler's proposition the buildings can be erected for \$3,100 each and will contain five rooms.

A committee has been appointed to investigate the proposed offer and submit a report at the next meeting.

## Preliminary Plans Being Prepared.

RESIDENCE Cost, \$60,000  
DEL MONTE, Monterey Co., Cal.

Two-story frame and plaster residence

Owner—Withheld.

Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.

Construction will not be started until Spring.

## Ready for Figures Next Week.

RESIDENCES Cost, \$10,000 each  
SAN FRANCISCO. Forest Hill.

Six two-story and basement frame and plaster residences and separate garages (7 and 8 rooms and 2 bathrooms each.)

Owner—Withheld.

Architect—Walter Falch, Hearst Bldg., San Francisco.

## Plans Being Prepared.

RESIDENCE Cost, \$17,000  
SAN JOSE, Santa Clara Co., Cal.

Spanish style residence

Owner—Dr. J. Irving Beattie.

Architect—C. C. Dakin, 110 Sutter St., San Francisco.

HANFORD, Kings Co., Cal.—Prior to establishing a home building corporation, Frank C. Russell, Secretary of the Hanford Board of Trade, is gathering statistical data regarding construction, costs, etc., for building of homes. The formation of a company with a capitalization of \$100,000 is planned.

December 12, 1919.

## Plans Prepared.

RESIDENCE Cost, \$16,000  
LOS ANGELES, Cal. No. 542 Lorraine Boulevard.

Two-story frame and plaster residence (8 rooms and 2 bathrooms).

Owner—Withheld.

Architect—Arthur R. Kelly, 1110 Story Bldg., Los Angeles.

Plans Prepared. Sub-Bids to be Taken

RESIDENCE Cost, \$16,000  
LOS ANGELES, Cal. No. 310 S. Lucerne Boulevard.

Two-story frame and plaster residence (8 rooms).

Owner—Dr. Jas. D. McCoy.

Architect—Arthur R. Kelly, 1110 Story Bldg., Los Angeles.

## Plans Being Prepared.

COTTAGES, ETC. Cost, \$—  
DEFIANCE, Arizona.

Two dormitories, four cottages and administration building.

Owner—Home Missionary Board of Presbyterian Church of the U. S. A.

Architect—H. M. Patterson, O. T. Johnson Bldg., Los Angeles.

The administration building will be two stories and basement and will contain administrative offices of the church, living quarters for teachers and superintendent of the Indian Mission at the fort. The cottages will contain two rooms each and will be of adobe construction. The dormitories will provide quarters for 50 male and 50 female children. The main buildings will be of sand stone construction with slate roofs, pine interior finish, steam heating system, plumbing, kitchen equipment.

## Plans Being Figured. Bids Close End of Next Week.

RESIDENCE COST, \$14,000  
OAKLAND, Alameda Co., Cal. Kingston Avenue.

Two-story and basement residence, and garage 9 rooms and sleeping porch

Owner—Mr. Carter.

Architect Charles W. McCall, Central Bank Bldg., Oakland.

## Plans Being Prepared.

RESIDENCE Cost, \$12,000  
SAN FRANCISCO. St. Francis Wood.

Two-story and basement frame and plaster residence.

Owner—Withheld.

Architect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.

## AVALON, Los Angeles Co., Cal.—D. M. Renton,

building contractor, and superintendent of construction for the Santa Catalina Island Co., is preparing plans and will build a two-story, hollow tile residence containing about 30 rooms, in Buena Vista park, the old wireless station site at Avalon, for

Wm. Wrigley Jr., present owner of the island. The house will have a large court and there will be a sunken garden, swimming pool, garage and stables. Estimated cost, \$100,000. A board walk 3 miles long will be built between Hamilton Beach and Pebble Beach by Mr. Wrigley.

Contract Awarded.  
RESIDENCE & GARAGE Cost, \$10,000  
BURLINGAME, San Mateo Co., Cal.  
One and one-half-story frame residence and garage.  
Owner—Mr. A. M. Thomson, 229 State St., San Mateo.  
Architect—T. M. Edwards, 833 Market St., San Francisco.  
Contractor—H. C. Lewis, 68 Post St., San Francisco.

Plans Being Prepared.  
RESIDENCE Cost, \$12,000  
PORTLAND, Ore. Westover Terrace.  
Two-story and basement frame residence, 35x46 (10 rooms).  
Owner—Withheld.  
Architects—De Young & Roald, Spalding Bldg., Portland.

RESIDENCE Cost, \$16,000  
BERKELEY, Claremont Court.  
Two-story and basement frame and plaster residence (8 rooms).  
Owner—Mrs. Lloyd.  
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

Plans Being Prepared.  
ALTERATIONS Cost, \$—  
FRESNO, Fresno Co., Cal. No. 1050  
"S" Street.  
Remodel residence and erect private (double) garage.  
Owner—H. H. Holland.  
Architects—Glass & Butner, Cory Bldg., Fresno.

## SCHOOLS

Plans Being Completed.  
SCHOOL Cost, \$90,000  
SEATTLE, Wash. On Lake Washington Girls Parental School.  
Owner—City of Seattle.  
Architect—F. A. Naramore, City School Architect, City Hall, Seattle.

To Call Bids Shortly.  
ADDITION Cost, \$150,000  
SEATTLE, Wash. 3rd Avenue N. W. and W-80th Street.  
Fireproof addition to Greenwood School.  
Owner—Seattle School District No. 1.  
Architect—F. A. Naramore, City School Architect, City Hall, Seattle, Wash.

SACRAMENTO, Cal.—Superintendent of Schools Chas. C. Hughes has recommended to the City Board of Education the erection of a new school building in the Highland Park District. If a new structure cannot be erected in the immediate future he asks that a temporary building be erected.

Contract Awarded.  
ADDITION, ETC. Cost, \$5,430  
LINDSAY, Fresno Co., Cal.  
Construction of addition to present school; erection of tank tower and installation of electric automatic pumping plant.  
Owner—Lindsay School District, H. C. Mathiesen, Clerk.

Architects—Swartz & Ryland, Howell Bldg., Fresno.  
Contractor—W. R. Vaughan, Route A, Sanger, Cal.

Plans Being Prepared.  
SCHOOL Cost, \$—  
MOORPARK, Ventura Co., Cal.  
Group of high school buildings.  
Owner—Moorpark Union High School District.

Architect—Mott M. Marston, 535 I. W. Hellman Bldg., Los Angeles.  
A bond election will be called shortly to provide funds for the erection of the first building, probably the administration building. The cost will be about \$40,000.

Plans Being Prepared.  
SCHOOL Cost, \$90,000  
SAN BERNARDINO, Cal. Mt. Vernon School Site.  
Ten or 12 room reinforced concrete school.  
Owner—City of San Bernardino.  
Architect—F. T. Harris, 556 8th St., San Bernardino.

Plans Being Figured. Bids Close Dec. 27, 1919.  
SCHOOLS Cost, \$130,000  
CHANDLER, Ariz.  
Three two-story brick high school building.  
Owner—Chandler High School District.  
Architects—Allison & Allison, Hilbernan Bldg., Los Angeles.

Bids will be taken separately as follows: General contract, tile roofing, blackboard, painting, plumbing, gas fitting and sewerage; program clocks, hardware, and for heating. Plans and specifications may be obtained at the office of the architects upon deposit of fifteen dollars.

SAN FRANCISCO.—City Architect John Reid Jr., has submitted the following reports to the Board of Public Works covering progress on plans for school improvements to be financed from the School Bond Issue:

**Harrison Street School**—Harrison street. Between Tenth and Eleventh streets. Plans almost completed and a call for bids will be issued shortly. Plans by Architect John Reid Jr., First National Bank Bldg.

**Adams School**, North side of Eddy street, between Van Ness avenue and Polk street. Preliminary sketches completed plans by Architect John Reid Jr., First National Bank Bldg.

**Bernal School**, Cortland avenue between Andover and Moultrie streets. Preliminary sketches for addition being completed by Architect Martin A. Sheldon.

**Columbus School**, Twelfth avenue, between Kirkham and Lawton streets. Architect Herman Barth preparing preliminary sketches for addition.

**Edison School**, Church and Twenty-second streets. Architect Walter O'Brien (O'Brien Bros., Inc.), completing preliminary sketches for addition.

**Hancock School**, Filbert street between Jones and Taylor. Preliminary plans for addition being prepared by Architects Ward & Blohme.

**McKinley School**, SW Castro and 14th Streets. Preliminary sketches for addition being prepared by Architect Chas. Sumner.

**Spring Valley School**, Jackson street between Hyde and Larkin streets. Preliminary plans for addition being completed by Architect August G. Headman.

**Mission High School**, 18th street between Dolores and Church. Preliminary sketches being prepared by Architect John Reid Jr.

**Fire Chief Murphy's Residence**. Plans for the residence of Fire Chief Murphy have been completed and a call for bids will be issued in the near future. Estimates are now being prepared. Plans for this structure are being prepared by City Architect Reid.

CHICO, Butte Co., Cal.—Plans for a heating system proposed for the new \$440,000 high school have been presented to the Board of Education by F. C. Kiston of the Moline Heating Co. of San Francisco.

Plans for the building proper are being completed by Architects Woollett & Lamb, Physicians Bldg., Sacramento.

Preliminary Plans Being Prepared.  
Erection of Buildings Depends Upon Bond Issue.

SCHOOLS Cost, \$309,000  
GLENDALE, Los Angeles Co., Cal.  
High School buildings.  
Owner—Glendale School District.

Architect—Norman F. Marsh, Broadway Central Bldg., Los Angeles.  
\$126,000 for administration building and auditorium to seat 2500 people; \$5000 for remodeling of the present administration building for classroom purposes; \$91,000 for a new science hall building to contain eight classrooms; \$32,000 for a gymnasium building; \$30,000 for a central heating plant, and \$25,000 for equipment and furniture.

FRESNO, Fresno Co., Cal.—The following bids were received by the Fresno Board of Education, J. R. Fontaine, Secretary:

**For Furnishing and Delivering one Million No. 1 Standard Common, Well Burned Wire Cut Red Brick**  
Port Costa Brick Works, 5 Crossley Bldg., San Francisco, \$13 per M and \$7 per M extra, if f. o. b. Fresno.

Pioneer Brick Co., Visalia, Cal., \$18 per M f. o. b. Fresno.

Kern County Brick Co., East Bakersfield, Cal., \$14 per M f. o. b. Fresno.

Craycroft Brick Co., \$19 per M f. o. b. Fresno and \$5 per M extra.

Contracts awarded to Kern County Brick Co., Pioneer Brick Co., and Craycroft Brick Co. None of the above bid on entire quantity.

**For Furnishing and Delivering One Hundred Thousand Common Wire Cut Red Brick.**

Port Costa Brick Works, \$18 per M plus \$7 per M f. o. b. Fresno.

Pioneer Brick Co., \$28 per M f. o. b. Fresno.

Contract awarded to Pioneer Brick Company.

Plans Being Prepared.  
SCHOOL Cost, \$200,000  
MONTEBELLO, Los Angeles Co., Cal.  
Twelve-room and auditorium school to replace Washington School; 2 room addition to Greenwood Grammar School and 2 room building for southwestern portion of the district.  
Owner—Montebello School District.

Architect—Mott M. Marston, I. W. Hellman Bldg., Los Angeles.

Plans Being Prepared.  
SCHOOL Cost, \$—  
ONTARIO, San Bernardino Co., Cal.  
One-story frame and stucco school (4 class rooms, library, teachers' rooms, etc.)

Owner—Roman Catholic Archbishop of Los Angeles County and Monterey.  
Architect—A. C. Martin, Higgins Bldg., Los Angeles.

Plans Being Figured. Bids Close January 2nd, 1920, 3 P. M.  
SCHOOL Cost, \$—  
CORNING, Tehama Co., Cal.  
One-story reinforced concrete grammar school.

Owner—Corning Grammar School District. A. J. Symonds, Clerk.  
Architects—Geo. C. Sellon & Co., 202 Mitau Bldg., Sacramento.  
Bonds of \$46,000 have been voted to finance construction.

Plans Being Prepared.  
SCHOOL Cost, \$30,000  
DINUBA, Tulare Co., Cal.  
One-story 4-room school.  
Owner—El Monte School District.  
Architects—Glass & Butner, Cory Bldg., Fresno.

## STORES AND OFFICES

Low Bidder.  
OFFICE BUILDING Cost, \$100,000  
SAN FRANCISCO. N Pine Street, bet. Front and Davis, W. of Oceanic Building.

Two-story and basement Class "A" office building (frame to be strong enough for 6 additional stories) 87½ foot frontage.

Owner—Ames-Harris Neville Co., 100 Potrero Ave., San Francisco.  
Architect—J. R. Miller, Lick Bldg., San Francisco.

Low Bidders—McLeran & Peterson, Hearst Bldg., San Francisco.

Plans to be Prepared.  
WHOLESALE HOUSE Cost, \$—  
SAN FRANCISCO. SE Fremont and Mission Streets.

Six-story Class "A" wholesale building  
Owner—Walton N. Moore Dry Goods Co., Inc., 7 Front St., San Francisco  
Architect—Not Selected.

Plans to be Prepared.  
AUTO SALES BLDG. Cost, \$—  
SAN FRANCISCO. SW Van Ness Ave. and McAllister.

Five-story reinforced concrete auto sales building, 120x219-6.  
Owner—Pioneer Motor Co., Geo. Peak, Manager, 307 Golden Gate Ave., San Francisco.  
Architect—Not Selected. Several Plans Under Consideration.

Plans Being Figured.  
AUTO TRUCK SALES ROOMS Cost, \$30,000.  
PORTLAND, Ore. Grand Avenue.

Two-story and basement reinforced concrete auto truck sales rooms and garage, 100x100.  
Owner—Withheld.

Architects—Clausen & Clausen, Macleay Bldg., Portland, Ore.

Plans Being Prepared.  
AUTO SALES BLDG. Cost, \$40,000

SAN FRANCISCO. Valencia Street.  
Two-story reinforced concrete auto sales building.  
Owner—Withheld.

Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.  
NOTE—Construction will not be started until Spring.

Plans Being Prepared.  
ALTERATIONS Cost, \$7,500  
SAN FRANCISCO. No. 291 Geary St.  
Alter building (interior alterations and store fronts).  
Owner—St. Paul Building.  
Architects—Ward & Blohme, 454 California St., San Francisco.

Plans Being Prepared.  
AUTO SALES BLDG. Cost, \$—  
SAN FRANCISCO. S Turk Street 109-9 W Van Ness Avenue.

One or two-story and basement reinforced concrete auto sales building  
Owner—Oscar H. Curtaz, 517 Hayes St., San Francisco.  
Designer and Supt. of Constr.—Wm. Helbing, 517 Hayes St., San Francisco.

Site Being Considered.  
BUILDING Cost, \$1,500,000  
PORTLAND, Oregon.  
Eight-story fireproof building, 280x600 (First unit, 300x250).  
Owner—Montgomery, Ward Co., Wm. Q. Bateman, Portland, Representative.  
Architect—Wm. H. McCaully, Engineer for Montgomery, Ward Co., Chicago, Illinois.

Contract Awarded.  
ALTERATIONS Cost, \$8,000  
SAN FRANCISCO. E Powell N. of Ellis (Golden West Hotel).

Alter saloon into shoe store.  
Lessee—Florsheim-Schaefer Shoe Co., Inc., 48 Kearny St., San Francisco.  
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Contractor—W. E. Mathews, 180 Jessie St., San Francisco.

Contract Awarded.  
DEPARTMENT STORE Cost, \$200,000 approximately.  
BAKERSFIELD, Kern Co., Cal.

Six-story and basement reinforced concrete department store.  
Owner—Conklin & Brodek.  
Lessee—Hochheimer & Co.  
Architect—Orville L. Clark, Bakersfield.

Contractor—K. E. Parker, Clunie Bldg., San Francisco.  
Work has been started on the excavation. All sub-contracts have practically been signed up.

Plans Being Prepared.  
OFFICE BLDG. Cost, \$1,500,000  
SAN FRANCISCO. SW Bush and Sansome Streets.

Twelve-story Class "A" office building, 137-6x208-2.  
Owner—Standard Oil Co.  
Architect—George W. Kelham, Sharon Bldg., San Francisco.

The contract will probably be awarded to P. J. Walker Co., Monadnock Bldg., who have the contract for the buildings now under construction at the Standard Oil Plant in Richmond, Contra Costa County.

Plan to Start Work in January.  
BANK, ETC. Cost, \$1,500,000  
SAN FRANCISCO. Sansome Battery, Sacramento and Clay Streets.  
Five-story Class "A" bank and office building (strong enough to carry 15 stories).

Owner—Federal Reserve Bank.  
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Engineer—H. J. Brunner, Sharon Bldg., San Francisco.

Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

Plans Being Prepared.  
STORE BLDG., ETC. Cost, \$75,000  
WEED, Siskiyou Co., Cal.  
One and two-story frame store building and alter present store.  
Owner—Weed Lumber Company.  
Architects—Ward & Blohme, 454 California St., San Francisco.

Contract Awarded.  
STORES Cost, \$—  
PITTSBURG, Contra Costa Co., Cal.  
Black Diamond Street.  
One-story brick (3) stores, 50x60.  
Owner—S. Costanza, Pittsburg, Cal.  
Architect—Not Given.  
Contractor—Augusto Colombo, Pittsburg, Cal.

SACRAMENTO, Cal.—Two bids were received by the City Commissioners for alterations on the third floor of the manual training school on "I" street for use of the engineers who will plan the proposed filtration plant under the recent bond issue. The bids being as follows:

J. R. Saunders.....\$2,564  
John L. Siller.....1,946  
The bids were referred to Commissioner J. Q. Brown for report. M. J. Desmond is City Clerk.

Plans Being Prepared.  
OFFICE BUILDING Cost, \$200,000  
LOS ANGELES, Cal. Nos. 635-40 South Spring Street.

Class "A" office building, 63x123.  
Owner—Wm. R. Staats Co.  
Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

Plans Being Prepared.  
STORES Cost, \$50,000  
SAN FRANCISCO. S Eddy W Jones.  
One-story and basement reinforced concrete (6) stores.

Owner—Withheld.  
Architect—Mel I. Schwartz, Nevada Bldg., San Francisco.

Contract Awarded.  
STORE Cost, \$—  
SAN FRANCISCO. S Bush 68-8 E Powell Street.

One-story and basement brick stores.  
Owner—Geo. A. Webster, 142 Drumm St., San Francisco.

Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.  
Contractor—Louie Cohn, Merchants National Bank Bldg., San Francisco

Contracts Awarded.  
STORES BLDG. Total Cost, \$33,147  
SAN FRANCISCO. SE Golden Gate Avenue and Larkin Streets.

One-story Class "C" store building.  
Owner—Skelly Estate Co.  
Architect—Matthew O'Brien, 68 Post St., San Francisco.

The following contracts have been awarded:

**Reinforcing Steel**—Gunn-Carl Co.  
**Galvanized Iron**—Gulffoy Cornice Co.  
**Roofing**—Rendler Roofing Co.  
**Plumbing**—O. Kurtz.  
**Electrical Work**—Decker Elec. Co.  
**Ornamental Iron and Steel**—Michel & Pfeffer.  
**Sidewalk Lights**—Phoenix Sidewalk Light Co.  
**Painting**—C. E. Gordon.  
**General Contract** (excavation, concrete, cement, carpentry and mill work, glass and glazing and hardware) to Anderson & Ringrose, 320 Market St., for \$27,095.

**Plans Being Prepared.**  
**ALTERATIONS** Cost, \$15,000 to \$20,000  
**OAKLAND**, Alameda Co., Cal. Ninth and Broadway (Water Company's Building).  
 Alter building into large butcher shop (deepen basement, lower first floor to street level, tile, marble, plate glass work, etc.)  
 Owner—Withheld.  
 Architect—A. A. Cantin, 68 Post St., San Francisco.  
**NOTE**—Work will not be started for about 60 days.

**Plans Being Prepared.**  
**AUTO SALES BLDG.** Cost, \$150,000  
**SAN FRANCISCO**. SW Van Ness Ave. and McAllister St.  
 Four-story reinforced concrete auto sales building, 120x219-9.  
 Owner—Pioneer Motor Co.  
 Architect—S. Helman, 57 Post St., San Francisco.

## THEATRES

**Preliminary Plans Prepared.**  
**THEATRE** Cost, \$600,000  
**SEATTLE**, Wash.  
 Class "A" theatre.  
 Owner—Loew-Ackerman-Harris, 281 O'Farrell St., San Francisco.  
 Architects—Weeks & Day, Phelan Bldg San Francisco.

**Contract Awarded on a Percentage Basis.**  
**THEATRE** Cost, \$250,000  
**SANTA BARBARA**, Cal. State St.  
 Reinforced concrete theatre, 83x200.  
 (Motion Pictures and Orpheum Act.)

Owner—Portola Theatre Co.  
 Architect—Not Given.  
 Contractor—J. Alden Griffin Constr. Co., 602 Title Ins. Bldg., Los Angeles.

Mr. Griffin will discontinue his office in Los Angeles the first of next month and will then have his headquarters on the site.

**Figures to be Taken End of This Week**  
**ALTERATIONS** Cost, \$50,000  
**SACRAMENTO**, Cal. "J" Street.  
 Extensive alterations to theatre.  
 Owner—Ackerman & Harris.  
 Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

**Figures will be taken for a general contract.**  
 (30288) 1st report Sept. 22; 2nd Nov. Completing Plans.  
**ALTERATIONS** Cost, Bet. \$60,000 and \$70,000.

**SAN FRANCISCO**. No. 644 Broadway.  
 Extensive alterations to Verdi Theatre.  
 Owner—Crescent Theatre, Inc. (N. A. Jackson, 935 Market St.)

**Architect**—A. W. Cornelius, Merchants National Bank Bldg., San Francisco  
 Construction will not start until after the first of the year.

**Contracts Awarded.**  
**THEATRE** Cost, \$125,000  
**MODESTO**, Stanislaus Co., Cal. 10th Street.

One-story and balcony Class "A" theatre (1800 seating capacity).  
 Owner—Golden West Amusement Co., Inc. (Lesser Bros. and P. H. Mackowitz of San Francisco).

**Architects**—Held Bros., 105 Montgomery St., San Francisco.

The following contracts have been awarded:  
**Excavating and Concrete**—G. B. Pasqualotti, 745 Union St., San Francisco, \$57,000.

**Ornamental Iron**—Golden Gate Iron Works, 1541 Howard St., San Francisco, \$1,400.

**Structural Steel**—Golden Gate Iron Works, \$8,150.

**Electrical Work**—Butte Electrical Equipment Co., 530 Folsom, San Francisco, \$8,700.

**Plumbing**—W. E. Hughes, Modesto, \$5,705.

**Heating**—Atlas Heating & Ventilating Co., 72 Freelon St., San Francisco, \$4,750.

**Plastering**—Leonard Bosch, 41 Pluto St., San Francisco, \$15,275.

**Galvanized Iron**—Gulffoy Cornice Co., 209 8th St., San Francisco, \$2,900.

**Roofing**—Richard H. Flaherty, 110 Jessie St., San Francisco, \$950.

**Marble**—Vermont Marble Works, 244 Brannan St., San Francisco, \$700.

**Contract Awarded.**  
**THEATRE** Cost, \$—  
**PASADENA**, Los Angeles Co., Cal. Raymond Avenue near Holly Street.  
 Reinforced concrete theatre, 100x175.  
 Owner—Pasadena Theatre Co. (B. O. Kendall, President).  
 Architect—Cyril Bennett, 313 Kendall Bldg., Pasadena.  
 Contractor—W. C. Crowell, 440 Chamber of Commerce Bldg., Pasadena.

## ENGINEERING

### BRIDGES, DAMS & HARBOR WORK

**BENICIA**, Solano Co., Cal.—According to estimates compiled by the W. L. Ishman Co., and presented to the City Trustees it will cost approximately \$3,000 for repairing the city wharf, which includes the rebuilding of the old portion and putting in a spring line. J. C. McAravy is City Clerk.

**SEATTLE**, Wash.—The Port of Seattle Commission, Bell Street Dock, Seattle, has awarded a contract to Harrington-Peters Co., Mutual Life Bldg., Seattle, for the north 500 feet of the east transit shed on Pier B at Smith's Cove, the bid being \$129,000. This concern also has the contract for the substructure of the 2,500 foot pier.

**SACRAMENTO**, Cal.—The Board of Supervisors has authorized a letter to be sent to Colonel L. H. Rand informing him that the county had taken cognizance of a communication from the war department to the effect that the bridge at Walnut Grove must be raised three

feet, and that it would be removed entirely when a new bridge is constructed.

The new bridge it is proposed to erect at or near Courtland on or before December 1, 1925, the limit of time fixed by the government.

**OAKLAND**, Cal.—The County Supervisors, Geo. E. Gross, County Clerk, have awarded a contract to A. J. Grier, 480 Chetwood St., Oakland, at \$4,870 for repairs and approaches on the bridge over San Lorenzo Creek. Other bids were:

M. E. Fernandez ..... \$5,997.50  
 Healy-Thibbitts Const. Co. .... \$5,670.00  
 C. A. Bruce ..... 4,935.00

**SALINAS**, Monterey Co., Cal.—The City Council is considering the construction of a permanent concrete bridge in North Main street spanning the drainage canal.

City Engineer Davies has been instructed to prepare estimates of construction.

**STOCKTON**, San Joaquin Co., Cal.—Bids will be received by County Clerk Eugene D. Graham up to January 6th, 1920, for re-flooring the Bellota bridge over the North Calaveras River.

**HOLLISTER**, San Benito Co., Cal.—January 5, 1920, 2 P. M., is the time set by the County Supervisors, Elmer Dowdy, County Clerk, for opening bids for the construction of a reinforced concrete bridge over The Tequisquite Slough on the new road commonly called the Ausaymas and Fairview. Cut off at or near engineer's survey station 59-40 in Supervisors' District No. 1, work to be completed, June 1st, 1920.

Separate bids will be opened at the same time for the construction of a reinforced concrete bridge over the Santa Ana Creek on the new road commonly called the Ausaymas and Fairview. Cut Off at or near engineer's survey station 99-60 in Supervisor District No. 1, work to be completed June 1st, 1920.

Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

**MARTINEZ**, Contra Costa Co., Cal.—Contracts awarded to E. H. Martin, Syndicate Bldg., Oakland, covering the construction of the San Pablo and Wildcat bridges in Contra Costa County amounted to \$19,772 and not \$9,772, as previously reported in these columns.

**RED BLUFF**, Tehama Co., Cal.—The following bids were received by the County Supervisors at their last meeting for bridge work:

**Creek.**  
**Bridge Over South Fork of Battle**  
 Ross Construction Co. .... \$3,420  
 C. C. McCartney ..... 4,900  
 Bordwell Construction Co. .... 5,125  
 Contract awarded to Ross Construction Company.

**Dry Creek Bridge in District No. 3.**  
 Bordwell & Zimmerman ..... \$14,000  
 Hart Construction Co. .... 12,480  
 Ross Construction Co. .... 15,295  
 Bids taken under advisement.

**Bridge on the Corning Road.**  
 Bordwell & Zimmerman ..... \$1,000

Hart Construction Co., 1,900  
 Lanning & Co., 1,325  
 Bids taken under advisement.  
**Bridge on Foster Road.**  
 Lanning & Co., \$1,325  
 Bordwell & Zimmerman, 1,024  
 Hart Construction Co., 1,800  
 Bids taken under advisement.  
 H. G. Kuhn is Clerk of the Board of Supervisors.

### IRRIGATION WORK

TRANQUILLITY, Fresno Co., Cal.—Bonds of \$260,000 to finance irrigation improvements have been voted by the Tranquillity Irrigation District. The proceeds of the sale of the bonds will be used for the construction of a new pumping plant, for the building of a canal, and for the construction of a water works plant for the city of Tranquillity. As soon as the legal matters can be attended to, work on the improvement will be started.

LOS BANOS, Merced Co., Cal.—The formation of an irrigation district comprising between 150,000 and 200,000 acres by farmers of the West Side is planned. W. E. Bunker of Gustine has been elected chairman of a committee to gather engineering data, etc., regarding the proposed project and A. P. Miller of Gustine, elected Secretary. A. L. Cowell, Attorney of Stockton, is handling the legal proceedings for the proposed district.

FRESNO, Fresno Co., Cal.—The Supervisors have granted the petition providing for the formation of the James Irrigation District in the west portion of the county, which comprises 27,000 acres.

The engineering plans for consumption of the irrigation project call for the development of two separate water supplies, the underground through the drilling and electrification of artesian wells and the use of the flood waters of the San Joaquin river as a secondary supply. D. M. Barnwell is County Clerk.

SAN LEANDRO, Alameda Co., Cal.—City Trustee L. J. Toffelmier has recommended to the City Trustees the purchase of a street roller. Toffelmier states that San Leandro street improvements are being hindered through lack of a roller.

MODESTO, Stanislaus Co., Cal.—Petitions calling an election to vote bonds of \$2,000,000 for construction of the Don Pedro reservoir, a district power plant, distribution lines and for drainage purposes, are being circulated under the supervision of J. M. Walthall, Attorney for the Modesto Irrigation District. The State Water Commission has approved of the district appropriating 600,000 feet of water, annually, from the Tuolumne River to be stored in the proposed reservoir.

The work will be undertaken by the Modesto and Turlock Irrigation Districts.

### MACHINERY

HANFORD, Kings Co., Cal.—The City Trustees are considering the purchase of a street grader costing 768. At the request of Trustees Pepper and Bass an Austin grader was ordered to be sent the city on trial.

STOCKTON, San Joaquin Co., Cal.—Up to January 6th, 10:30 A. M., bids will be received by the County Supervisors, Eugene D. Graham, County Clerk, for furnishing one 75 B.H.P. oil engine of the vertical or horizontal type, not less than two cylinders, two cycle, heavy duty, internal combustion with throttling governor, or equal, direct connected by flexible coupling to one 55 K. W. direct current compound wound 125 volt electric generator of the engine drive type. Also one 25 B.H.P. oil engine of the horizontal or vertical type, single or double cylinder, two cycle, heavy duty, internal combustion with throttling governor, or equal, direct connected by flexible coupling to one 15 K. W. direct current compound wound 125 volt generator of the engine type, for the San Joaquin County Hospital and Farm.

Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

PITTSBURG, Contra Costa Co., Cal.—Randall M. Dorton, City Manager, has recommended to the City Council that the old Studebaker sprinkler be sold and the proceeds of the sale go toward the purchase of a combination street sprinkler and sweeper.

SAN FRANCISCO.—Bids will be received by the Engineer Office, U. S. Army, 240 Montgomery street, up to December 31st, 10 A. M., for furnishing and delivering rope for use in the Engineering Department works for this district. About 30,000 pounds of manila rope will be required, delivery to be made at Rio Vista, Solano County. Alternative proposals will be considered. The following are the sizes and amounts wanted:

#### Bolt Rope.

2 Coils; 125 Length Fathoms; 6" Circumference.

4 coils; 140 Length Fathoms; 5½" Circumference.

4 Coils; 125 Length Fathoms; 5" Circumference.

4 Coils; 125 Length Fathoms; 4" Circumference.

6 Coils; 125 Length Fathoms; 3" Circumference.

#### Ship or Marine Rope.

2 Coils; 125 Length Fathoms; 6" Circumference.

8 Coils; 125 Length Fathoms; 5" Circumference.

6 Coils; 125 Length Fathoms; 4½" Circumference.

6 Coils; 125 Length Fathoms; 4" Circumference.

8 Coils; 125 Length Fathoms; 3¾" Circumference.

12 Coils; 125 Length Fathoms; 3½" Circumference.

10 Coils; 125 Length Fathoms; 3" Circumference.

10 Coils; 125 Length Fathoms; 2¾" Circumference.

6 Coils; 125 Length Fathoms; 2½" Circumference.

6 Coils; 125 Length Fathoms; 2¼" Circumference.

6 Coils; 125 Length Fathoms; 2" Circumference.

6 Coils; 125 Length Fathoms; 1½" Circumference.

6 Coils; 100 Length Fathoms; 15-ft.

AUBURN, Placer Co., Cal.—The County Board of Supervisors has authorized Supervisor Silva to purchase, for use



### SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

### PACIFIC PIPE CO.,

231 Howard St.

San Francisco

in his district, one first class road ditcher. A. F. Fleming is Clerk of the Board of Supervisors.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has refused to appropriate \$2,200 for the purchase of a scarifier for the purpose of scraping macadam and oil streets. The purchase was recommended by City Commissioner W. J. Baccus.

EL SEGUNDO, Los Angeles Co., Cal.—Until 8 p. m., Dec. 17, bids will be received by the City Trustees for one self-propelled, 7 or 8-ton tandem road roller and all accessories. Bids may be submitted on new or used equipment. Certified check for 10% required. Victor D. McCarthy, City Clerk.

### SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

SAN FRANCISCO.—The Board of Supervisors has adopted an Ordinance providing for the improvement of the east one-half of the Great Highway from a point 438 feet north of Balboa street to the south line of Fulton street. The work will consist of constructing concrete gutters and curbs and paving with asphalt.

PHOENIX, Ariz.—January 12, 1920, is the date set by the Maricopa county highway commission for receiving bids for constructing first units of county highway system under \$4,000,000 bond issue.

SANTA MONICA, Los Angeles Co., Cal.—J. D. Kneen Contracting Co., Dudley Block, Santa Monica, submitted the lowest bid at \$42,347.27 for paving Second street between Santa Monica Boulevard and Monterey avenue, involving 166,409 sq. ft. asphalt paving; 6723 lin. ft. Class "A" cement curb; 31,440 sq. ft. 5-in. concrete gutter and fur-

nishing and placing 30 reinforced concrete lighting standards with conduits and appurtenances. Other bids received by the city commission were: Los Angeles Paving Co., \$16,995.77; Fairchild-Gilmore-Wilton Co., \$48,245.31, and Geo. H. Oswald, \$51,151.78.

SAN BERNARDINO, Cal.—R. T. Shea & Co., Riverside, submitted the only bid and was awarded the contract at \$25,440 for paving Agate street between Palm and Olive streets, in Road Improvement District No. 9, with 4-in. concrete 22 ft. wide and a portion of Palm avenue with 4-in. concrete 16 ft. wide and constructing stone and cement curb.

WOODLAND, Yolo Co., Cal.—On recommendation of Asa G. Proctor, County Highway Engineer, the Supervisors have decided to call bids on various types of pavement for the proposed county highway system, funds for which are on hand from the recent county bond issue. Bids will be taken on a reinforced concrete base with black wearing surface and for a black base with a black wearing surface. It is expected that construction will be started the latter part of January.

WOODLAND, Yolo Co., Cal.—The County Supervisors, Asa G. Proctor, County Highway Engineer, have ordered the preparation of specifications for graveling about 3½ miles of new road in Reclamation District 1600. The road has already been graded.

SALINAS, Monterey Co., Cal.—Bids will be received by M. R. Keef, City Clerk, up to January 5th, 8 P. M., for the construction of cement concrete sidewalks, 5 feet wide, on both sides of North Main street from a line drawn across North Main St. from the point of intersection of the E line of North Main with the N line of Sausal St. to the point of intersection of the W line of North Main St. with the E line of Main St. to the S curb line of Menke St. Certified check of 10% payable to City of Salinas must accompany each bid.

LOS BANOS, Merced Co., Cal.—The Town of Los Banos has purchased the water supply system of the West San Joaquin Valley Water Company, a corporation, and plans extensive improvements.

The city intends moving the plant to a new location, install a filter, new tanks and tower, construct fire mains and hydrants and purchase up-to-date fire-fighting apparatus.

HEPPNER, Ore.—Bids will be received up to January 7th, 8 P. M., by J. P. Williams, City Recorder, for constructing improvements to the Water Works System for which bonds of \$100,000 have been voted. Bids will be taken as follows:

1. For furnishing labor, equipment and materials except pipe and specials, for the construction of the Gravity Supply Line and accessories.
2. For furnishing machine banded wood pipe and special cast iron fittings and valves f. o. b. cars Heppner, Oregon.
3. For furnishing and laying concrete pipe in trench on supply line, Heppner, Oregon.

Plans were prepared by Engineers Burns & McConnell, Interstate Bldg., Kansas City, Missouri.

INGLEWOOD, Los Angeles Co., Cal.—Mike Murphy, 1321 Milvia St., Berkeley, was awarded the contract at \$56,631 for furnishing and laying mains for the new municipal water system, using lead joints. The contract involves 13,000 ft. 4-in., 9825 ft. 6-in., and 4150 ft. 8-in. Class A cast iron pipe, fire hydrants and valves. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, Consulting Engineers. R. F. Ware, 431 Union Oil Bldg., will do the trenching.

SALINAS, Monterey Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for the extension of the Lang street sewer, also for the extension of the sewer in Winham street from Main easterly. The extension of the Summer street sewer was laid over for further consideration.

Plans prepared by the City Engineer for the construction of sidewalks on North Main street were adopted and bids for construction will be called shortly.

HANFORD, Kings Co., Cal.—The City Trustees at their last meeting discussed the proposed sewer system for the northeast portion of the city. No definite action was taken.

MARTINEZ, Contra Costa Co., Cal.—County Surveyor R. R. Arnold is completing plans and specifications for forty-seven miles of county highway for presentation to the supervisors at the January session when it is thought that bids will be ordered received so as to have construction under way by the latter part of February.

PLACERVILLE, El Dorado Co., Cal.—Hector Williams and E. A. Crockett, Motor Route A, Placerville, submitted the only bid to the County Supervisors for the construction of the Green Valley-Coloma junction wagon road at \$1,800, the road being 1¼ miles in length. Arthur J. Koletzke, is County Clerk.

MERCED, Merced Co., Cal.—The County Supervisors, P. J. Thornton, County Clerk, are considering the construction of a road to be known as "Merced and Los Banos Road, Section No. 1," also "Palm Avenue Extension Road" and a road in the Third and Fourth Supervisor Districts.

County Engineer A. E. Cowell will report his findings at the next meeting of the Board.

TOMBSTONE, Ariz.—Until 2 P. M., January 3, 1920, new bids will be received by State Engineer Thomas Maddock at the office of the Supervisors of Cochise Co. at Tombstone, for constructing Sections 2A and 2B of the Bisbee-Douglas highway Federal aid project No. 11. Plans and specifications may be obtained from State Engineer at Phoenix, on deposit of \$5. Certified check for 5% required. Bids previously received for this work were rejected. Geo. H. Oswald of Los Angeles, bid \$115,515.20 (\$2.73 sq. yd.) on Section A and \$116,897.76 (\$2.48 sq. yd.) on Section B. Ragau & Smith bid

\$113,825.60 (\$2.69 sq. yd.) on Section A and \$127,725.80 (\$2.69 sq. yd.) on Section B. The state will furnish cement. There will be 47,137 sq. yds. 6-in. concrete paving on Section A and 42,240 sq. yds. on Section B.

S. OCKTON, San Joaquin Co., Cal.—Bids will be received by Eugene D. Graham, County Clerk, up to January 6th, 1920, for paving the L. H. Howland road and the J. A. Shepard road near Lathrop.

VISALIA, Tulare Co., Cal.—The City Trustees were notified at their last meeting by the Federal Construction Co., Cal. Bldg., San Francisco, that its attorneys had advised them not to proceed with the contract for paving streets in this city, owing to a technicality that the bids submitted by the contracting concern, and on which the contract was awarded, were made upon an old grade map of the city that had never been properly adopted; that the company's attorneys, after examining into all the details in connection with preparation for letting the contract advised against the Federal concern going through with the work. The trustees immediately began action looking to asking again for sealed proposals for the paving, which is badly needed.

FRESNO, Fresno Co., Cal.—The Vorswick Construction Co. has assigned its contract amounting to \$39,339.50 for paving 5 miles of county road on Shaw Avenue with concrete base and Warrenite surface to the Federal Constr. Co., Cal. Bldg., San Francisco. A bond by the Fidelity & Deposit Co. of Maryland will be substituted for the bond furnished by the Hartford Accident & Indemnity Co.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy has completed plans and bids will be called for shortly by the Board of Public Works for the grading and paving of Market street from Collingwood to Ord, with an extension to Eighteenth street.

SACRAMENTO, Cal.—The Sacramento County Highway Commission, Drury Butler, County Engineer, has recommended to the Board of Supervisors the changing of the width of the highway to be constructed on Brannan island from 15 to 16 feet. The road is about six miles in length and the additional cost is estimated at about \$7200. The proposition was referred to the road committee for a report.

LOS ANGELES, Cal.—City Engineer Hansen has been instructed to prepare plans for paving Western Ave. from Adams St. to Manchester Ave., approximately 5 miles, with 6-in. concrete base, 1-in. binder and 2-in. asphalt surface. The work will be done under the Improvement Act of 1911. The city engineer was also instructed to prepare plans for improving 13 other streets as follows: Alexandria Ave. from Temple to Second St.; Second, from Gramercy Place to Van Ness; Bonnie Brae, from Sixth to Seventh; Compton, from Twenty-eighth to Slau-son; Ninth, from Vermont to Harvard; Paloma, from Twelfth to Washington; San Marino, from Vermont to Kingsley Drive; Twelfth, from Georgia to Alvarado; Twenty-second, from Vermont to

La Salle; Wilton Place from San Marino to Wilshire; College, from Alameda to Main; Adobe, from Bernardo to College; Thirty-ninth, from Vermont to Western. A portion of these streets will be paved with concrete and a portion with Warrenite.

**SANTA CRUZ, Santa Cruz Co., Cal.**—Bids received for furnishing Santa Cruz County with cement for use on the Santa Cruz-Soquel unit of the county highway system have been rejected by the Supervisors and the material ordered purchased in the open market. H. H. Miller is County Clerk and Lloyd Bowman Highway Engineer.

**HANFORD, Kings Co., Cal.**—Petitions received by the City Council for paving Dooty street from Eighth street to the north county highway and Eighth street from Redington to Phillips, thence north to West Ninth street have been laid over for further consideration.

Eighty per cent of the property owners signed the petitions.

**YUBA CITY, Sutter Co., Cal.**—The County Supervisors, Albert Brown, County Clerk, has instructed County Engineer Edward Von Geldern to proceed with the preparation of plans for the new roads to be built in the county. It is the plan of the Board to take bids on various types of paving.

**TURLOCK, Stanislaus Co., Cal.**—Plans for the improvement of Marshall street have been adopted by the City Trustees and bids will be called shortly. The pavement will extend the entire length of the street.

**OKADALE, Stanislaus Co., Cal.**—Action on the proposed paving of streets, as outlined by the Okadale Chamber of Commerce, has been laid over for further consideration by the City Trustees. It is planned to raise the necessary funds by bond issue.

**FAIRFIELD, Solano Co., Cal.**—A petition has been received by the Supervisors asking the formation of a road district in the vicinity of Vacaville township to enable that territory to vote bonds with which to secure funds for road improvements. G. G. Halliday is County Clerk.

**STOCKTON, San Joaquin Co., Cal.**—The County Supervisors, Eugene D. Graham, County Clerk, have awarded a contract to pave the West Side river road to J. E. Johnson of Tracy, and to Will Moreing, Commercial & Savings Bank Bldg., Stockton, for the Victor and Dustin roads.

**SAN FRANCISCO.**—Plans for the extension of Hyde street through the Civic Center are being prepared by the Bureau of Architecture of the Board of Public Works.

**STOCKTON, San Joaquin Co., Cal.**—The County Supervisors, Eugene D. Graham, County Clerk, have instructed County Engineer Quail to prepare plans for the improvement of the Manteca-Ripon road, the pavement to be about eight mile in length, four miles south Manteca and thence east into Ripon.

**EUREKA, Humboldt Co., Cal.**—The

City Council is considering the improvement of B street between A and C streets with a 4-inch concrete base wearing surface.

City Engineer Hannah has been instructed to submit a report giving estimates of the proposed work.

**REDDING, Shasta Co., Cal.**—Wade G. Moores, District Manager for the Pacific Gas and Electric Company, has received word from President John A. Britton that \$18,000 has been appropriated for improvements to the Redding lighting system, to be expended as follows:

6 inch pipe, gas works storage holder to Pine street, 1380 feet.

4 inch pipe, on Pine street from South to Trinity streets, 3000 feet.

3 inch pipe, on South street, from Court street to West (pipe reclaimed), 420 feet.

3 inch pipe, on Trinity from Pine to Market, (pipe reclaimed), 400 feet.

2 inch pipe, on West street, from South to Yuba, 820 feet.

2 inch pipe, on West street, from Butte to North, 1130 feet.

2 inch pipe, on North street, from West to Court, 420 feet.

2 inch pipe, on Placer street, from West to Willis, 760 feet.

2 inch pipe, on Pine street, from South to Lincoln, 1000 feet.

2 inch pipe on Lincoln street, from Pine to dead end, 100 feet.

2 inch pipe on Butte street, from Pine to Liberty, 810 feet.

**SAN LEANDRO, Alameda Co., Cal.**—The City Trustees have passed Resolution of Intention No. 944, N. S., providing for the improvement of Williams street from the west line of Washington avenue to the west boundary of the city, by grading; constructing redwood curbing and paving with macadam. J. J. Gill is City Clerk.

**COALINGA, Fresno Co., Cal.**—Bids received by the City Trustees for the paving and grading of the Elm extension to the State Highway have been rejected and the work ordered done under the supervision of the City Engineer. Bids for the work were submitted as follows:

J. H. Donovan, Los Angeles, \$13,457  
J. H. Vaughn, Hanford, \$13,226  
Engineer's Estimate, \$11,000.

**SAN ANDREAS, Calaveras Co., Cal.**—At the last meeting of the County Supervisors the opening of the bids for furnishing material and labor for graveling the Big Bar Grade between McMillum River and the town of Mokelumne Hill was laid over until the next meeting. A. W. Poe is County Clerk.

**LOS ANGELES, Los Angeles Co., Cal.**—The following bids were received by the Board of Supervisors of Los Angeles County for grading and paving 5.62 miles of Sanguis-Ventura Road in Road District No. 5:

Geo. S. Benson & Son, 529 Stimson Bldg., Los Angeles (1) 75c per cu. yd. for excavation; (2) 12c per lin. ft. for shaping road bed; (3) \$1.65 per ton for placing disintegrated granite; (5) \$1.25 sq. yd. for concrete paving; (6) \$22 cu. yd. for concrete culverts; (7) 10c per lb. reinforcing steel; (7-a) (1) 3c sq. ft.; rolled wire mesh; (2) 3c sq. ft.

for sheet wire mesh; (10) \$6 per lin. ft. 36-in. corrugated metal pipe; \$4.50 per ft. for 24-in. corrugated metal pipe; \$4 per ft. for 18-in. corrugated metal pipe; (11) 80c per lin. ft. for guard rail; (16) alterations C-614, \$500 C-615, \$700.

C. H. Hudson, Los Angeles (1) 65c; (2) 20c; (3) \$1.50; (5) \$1.35; (6) \$22; (7) 10c; (7-a) (1) .5c (2) .4c; (10) (a) \$6.15; (b) \$4; (c) \$3.25; (11) \$1—; (16) \$1850 and \$500.

Chas. D. Soteras, Los Angeles (1) 94c; (2) 28c; (3) \$1.75; (5) \$1.21; (6) \$15; (7) 10c; (7-a) (1) 6c; (2) 6c; (10) (a) \$7.50; (b) \$4; (c) \$4; (11) \$1; (16) \$1000 and \$1000.

T. E. Hill & Co., Los Angeles (1) 94c; (2) 22c; (3) \$2; (5) \$1.89; (6) \$20; (7) 8 1/2c; (7-a) (1) 2c; (2) 3c; (10) (1) \$8.34; (2) \$5.25; (3) \$3.81; (11) \$1; (16) \$1595 and \$10.

Rogers Bros Co., Los Angeles (1) 60c; (2) 30c; (3) \$1.35; (5) \$1.10; (6) \$20; (7) 10c; (7-a) (1) 4c; (2) 4c; (10) (1) \$5; (2) \$3; (3) \$2; (11) \$1.25; (16) \$2250 and \$500.

The approximate quantities are: 22,500 cu. yds. excavation; 29,270 lin. ft. shaping roadbed; 59,440 sq. yds. concrete paving 5 in. thick and 18 ft. wide; 42 cu. yds. concrete for headwall; 1800 lbs. reinforcing steel; 46 ft. 36-in. 17 1/2 ft. 24-in. and 12 1/2 ft. 18-in. corrugated metal pipe culvert and 1000 ft. standard guard fence. There will also be alterations and additions to two pile trestles, one to be raised 2 ft., and the other to be raised and moved, requiring driving of some new piles. The county will furnish cement, 12,470 bbls.

**SAN DIEGO, Cal.**—H. D. Hallett, 122 Downer Place, Aurora, Ill., was awarded the contract at \$185,600, omitting domestic water mains planned separately from fire mains, for constructing water and sewer systems for the Marine base on Dutch Flats, San Diego, under Specification 4007. Hallett's bid did not include the fuel oil storage reservoir, for which separate bids will be taken this month.

**SANTA CRUZ, Santa Cruz Co., Cal.**—The Supervisors have awarded a contract to the Granite Rock Co., Salinas, for furnishing and delivering crushed rock for use on the county highway unit between Santa Cruz and Soquel and the Bay Development Co., 152 Berry St., San Francisco, for furnishing Lapis sand.

**MODESTO, Stanislaus Co., Cal.**—The Standard Paving Co., 9th and "N" Sts., Modesto, has been awarded a contract by the Board of Directors of the Modesto Irrigation District at 23 cents per square foot for paving the district's property along "H" street, the total cost of the work being \$1,725.23.

W. W. Erwin of Modesto was awarded the contract for curbing and gutters at 36 cents per lineal foot, the bid of the Standard Paving Co. for this work being \$1.00 per lin. ft.

Percy F. Jones is Chief Engineer of the Modesto Irrigation District.

**CLIFTON, Ariz.**—Webster Co. (Webster, Webster & Kerby), have been awarded contracts at \$71,896.13 for constructing Sec. No. 1 and at \$38,317.14 for constructing Sec. No. 2 of the Clifton-Franklin highway. Federal aid project No. 13. The contracts have been forwarded to Washington for ap-



approval by the U. S. Bureau of Public Roads. This project is known as the Ward Canyon cut-off. The contracts involve 32,000 cubic yards road excavation, 5,000 cubic yards borrow excavation, 25,000 cubic yards unclassified excavation, 2,426 cubic yards excavation for bridges, 2,630 cubic yards Class A concrete for bridges, 634 cubic yards Class B concrete, 84,707 lbs. reinforcing steel and incidental items.

**COLUSA, Colusa Co., Cal.**—December 29th is the date set by the City Trustees to decide the question of issuing and selling bonds of \$20,000 with which to complete construction for the proposed municipal swimming pool, plans for which have been prepared by Architect Martin A. Sheldon, 110 Sutter St., San Francisco.

**LOS ANGELES, Los Angeles Co., Cal.**—Rogers Bros. Co., 350 Merrick St., Los Angeles, was awarded the contract on December 5 at \$65,581.74 for constructing 2.4 miles of 1:2:4 concrete paving 8 inches thick and 24 feet wide with disintegrated granite shoulders on Harbor Truck Blvd. (Alameda St.) between Burton St. and south limits of Compton. The contract price is based on wire mesh in sheets, there being 316,286 square feet of this reinforcement. There will be 53,500 cubic yards excavation, 29,270 feet shaping roadbed, 59,440 square yards concrete paving, 43 cubic yards concrete in culverts, 1800 lbs. reinforcing steel, 46 feet 36-in., 179½ feet 24-in. and 132½ feet pipe culverts and two pile bridges. County furnishes cement and disintegrated granite.

## RAILROADS

**SAN FRANCISCO**—The Board of Public Works has awarded a contract to the U. S. Steel Products Company, Rialto Bldg., for furnishing and delivering track special work under Contract No. 122 of the Municipal Railway System.

## FIRE EQUIPMENT

**SACRAMENTO, Cal.**—Following bids were received by the City Commissioners, M. J. Desmond, City Clerk, for furnishing and delivering 1,000 feet of first class hose:

C. C. C. Fire Hose Co., per ft.	\$1.20
American Rubber Co., per ft.	1.10
Republic Rubber Co. of Cal., per ft.	1.15
Elmigh-Winchell Hardware Co., per ft.	1.13

The bids were referred to Commissioner G. C. Simmons.

**HILLSBOROUGH, San Mateo Co., Cal.**—December 27th is the date set by the Town Trustees to decide the question of issuing and selling bonds of \$15,000 with which to purchase a modern fire engine, equipment and the housing of same.

**PLACERVILLE, El Dorado Co., Cal.**—At a meeting of Fire Company No. 1 a committee was appointed to secure estimates of costs, etc., for the installation of a fire alarm system. The Trustees have \$200 on hand for such a purpose and will appropriate additional funds, if a system can be installed at a reasonable cost.

## NEW STYLE OF ARCHITECTURE.

### Long Sought and Made Possible Only Through the Employment of Modern Reinforced Concrete.

Planning a memorial church to be built entirely of concrete, an American architect introduces a novel mode of construction and claims to have found "what architects for centuries have failed to produce—an entirely new and pure style of architecture. Pure, because it conforms to all the essential ideas of architecture; new, because only modern reinforced concrete has made it possible." The structure takes advantage of the plasticity of reinforced concrete, and the building which would be practically monolithic when finished, would have its external and internal forms identical to a degree new to architecture; its vaults would spring direct from the floor level and there would be no separating distinction between walls and roof. In fact, one might say that the building would be "all roof, and have no structural walls whatever." Architectural opinion may fall of unanimous approval; yet it must be admitted that the plan seems to adapt itself logically to the medium in which it is to be worked out, which is an important point in its favor.—Exchange.

### WHITE BROS. ISSUES TRADE BULLETIN.

White Bros., hardwood dealers, 5th and Brannan streets, under Trade Bulletin No. 15, reports the following of interest to those connected with the building industry:

"During the war the price of hardwoods did not rise to any great extent as compared to other commodities, but almost immediately following the armistice a change was felt. As industries which were dormant during the progress of hostilities came to life again and gathered headway, the onward swing of business was uninterrupted and we are now in the full flood of it. Varieties of hardwoods which were in no demand during the war period, on account of building restrictions, change of industries from ordinary production to war time basis, etc., suddenly were in great demand and the available stocks were gathered up immediately. Europe commenced to come into the market as a purchaser and the export trade resulting was a great factor.

"As winter approaches, the conditions in the hardwood producing sections are shaping themselves and it looks as though the scarcity of all American hardwoods will soon be acute. Car shortage, wet weather, enormous domestic and foreign demand are all working toward an ever rising market. Prices within the last month have gone up from \$10 to \$60 per thousand and from all indications the end is not yet in sight.

A special feature of the market is the extreme scarcity of hardwood products other than rough boards, such as flooring and veneered panels. These are both in great demand and difficult to obtain. The factories report orders booked which will take their output for months ahead. Many manufacturers will not accept future business except to be billed at the market prices ruling at time of shipment.

Foreign woods have not had the same impetus as domestic woods. Some of the imported woods such as Jensen, for instance, are actually cheaper than any high class American hardwoods.

It would ordinarily be expected that the wide spread of the coal strike and the steel strike would cause a curtailment of purchases in hardwoods and a consequent falling off in price, but it is proof of the abnormality of the times that the market for hardwood lumber is just as active as it was before the strikes and prices have advanced instead of lowering.

Lumber statistics reveal a startling condition in the relationship between stocks of hardwoods on hand and current demand. There is no reason for anticipating anything but a continuance of the present excessive demand, and therefore a continuance of the present high scale in prices, except in the event of some extreme development or economic upheaval of which at present there is apparently no sign in the horizon.

Copies of the Bulletin may be secured by a phone request or letter.

### ROAD BUILT OF EPSOM SALTS.

#### Texas to Have Unique Highway Ten Miles Long, Say State Highway Officials.

**AUSTIN, Tex.**—A road of epsom salts is an attraction Texans can soon hold out to tourists, according to the State Highway Department.

Ten miles of highway out of Rockport is being surfaced with a material which analyzes more than one-fourth epsom salts. The material is obtained from flats where constant evaporation of gulf water has left salt strongly impregnated with salts, among which the epsom variety predominates.

Highway engineers declare the mixture forms an excellent road surfacing material, as the salts absorb enough moisture from the air to keep the roads damp, free from dust and firm on the driest days. One trouble, however, is that the road becomes very slippery during wet weather, but this is overcome by adding a small proportion of shell and regulating the slope of the surface.

### MAY USE WALL PAPER TO ILLUMINATE ROOM.

**WHITTIER, Cal.**—The days of the electric light may be numbered.

Wall paper, of a radio-active type which will illuminate the room softly, evenly and permanently, is to be the successor to electricity, if experiments now being carried on by Montraville Wood, scientist, who was in the employ of the government during the war, prove successful.

Wood exhibited specimens of his wall paper at a lecture to students of Whittier College, and all who saw them said they certainly glowed and furnished the required light.

The underlying basis of Wood's experimentation is the ability of certain materials to continue to radiate light after having been acted upon by the sun. He is working on the perfection of a substance which when pressed into common wall paper, will give the continuous light.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

No.	Owner	Contractor	Am't.
2880	Collette	Owner	\$75
2881	York Killy	Helbush	10000
2882	Olsen	Todhunter	1000
2883	McCarthy	Arnott	2830
2884	Willits	Western	20870
2885	O'Connor	Bjorkman	13972
2886	O'Connor	Rehn	2088
2887	M. R. Chr	Stockholm	69000
2888	Johnson	Owner	9300
2889	O'Brien	Chevalier	850
2890	Sprague	Giusti	500
2891	Stoff	Kincannon	10000
2892	Lovell	Duncan	25000
2893	Moller	Owner	30000
2894	Baltor	Owner	800
2895	Cal. Pack'g	Owner	15000
2896	Chevalier	Owner	5000
2897	Schloss	Folsom	1329
2898	Schloss	Royal	3691
2899	Schloss	Fuller	2029
2900	Mariani	Gulfoff	1258
2901	Mariani	Scott	1058
2902	Mariani	Atlas	3900
2903	Mariani	Bradley	240
2904	De La Viaga	Hansbrough	14000
2905	Lame	Arras	6000
2906	Edwards	Biscan	2000
2907	Krusa	Owner	4000
2908	Johnson	Owner	1400
2909	Tausig	McFairsh	800
2910	Knight	Moore	940
2911	Smith	Kronnick	500
2912	Kemp	Nelson	12370
2913	Schmidt	Whitton	22800
2914	S. P. C. C. A.	Owner	940
2915	Florsheim	Mathies	500
2916	Wilson	Commary	1000
2917	Koerber	Orten	15127
2918	De Lavagna	Coolman	38108
2919	McCain	Hansen	10540
2920	Kranskoff	Owner	750
2921	McTae	McTae	1000
2922	Trews	Mager	800
2923	Goldberg	Spargo	7550
2924	Schmidt	Dyer	29120
2925	Tiscornia	Owner	4000
2926	Berk	Owner	2000
2927	Nelson	Nelson	3000
2928	Webster	Cohn	26343

### PERMITS.

**DWELLING.**  
(2880) S CONCORD bet. Morse and Mission Oue-story and basement frame dwelling.  
Owner—W. W. Collette 619 Morse, San Francisco.  
Architect—None.  
COST, \$975

### STORE AND FACTORY

(2881) SW CORNER 4TH AND SUTTER.  
Two-story brick stores and auto-top factory.  
Owner—York Realty Co., 40 Montgomery St., San Francisco.  
Architect—W. L. Schmolle, 40 Montgomery, San Francisco.  
Contractor—H. H. Helbush, 40 Montgomery, San Francisco.  
COST, \$100,000

### GARAGE

(2882) NO. 800 MIRAMAR. One-story frame private garage.  
Owner—C. V. Olsen, Premises.  
Architect—Ida F. McCain, 321 Kearny, San Francisco.  
Contractor—Geo. C. Todhunter, 442 29th Ave., San Francisco.  
COST, \$1000

### COTTAGE

(2883) LOT 13, BLK. A, Lakeview.  
All work for a one-story cottage.  
Owner—The McCarthy Co., 316 Fush St., San Francisco.  
Architect—James Arnott & Son, 2223 19th Ave., San Francisco.  
Contractor—James Arnott & Son, 2223 19th Ave., San Francisco.  
Filed Dec. 8, '19. Dated Nov. 22, '19.  
Frame up .....

Brown coated ..... 25%  
Completed and accepted ..... 25%  
Equal 35 days ..... 25%  
TOTAL COST, \$2630  
Bond, Sureties, Forfeit, none. Limit, 90 days. Plans and specifications filed.

### STORAGE TANKS

(2884) BEG. AT A POINT 806.2 S from S line of Islals St. 370 13 of Third St. S 100xR 100. Six vegetable oil storage tanks with connecting apparatus and appurtenances. Two tanks 1000-ton capacity; 2 for 250 tons and 2 for 60 tons.  
Owner—Willits & Patterson, 1 Drumm, San Francisco.  
Engineer—C. A. Watts, 24 California San Francisco.  
Contractor—Western Pipe & Steel Co. of California (a corp.), 444 Market, San Francisco.  
Filed Dec. 8, '19. Dated Dec. 6, '19.  
When material is placed on land 25% 5 days after final certificate of approval is issued ..... 50%  
Usual 35 days ..... 25%  
TOTAL COST, \$20,870  
Bond, \$20,000. Sureties, Nations Surety Co. Forfeit, none. Limit, 30 days after notification. Specifications only filed.

### APARTMENT BLDG.

(2885) E JULIAN 125 N 16th. N 30x E 81. All work except plumbing and fixtures, electric fixtures and window shades for a three-story frame apartment building.  
Owner—Nellie O'Connor, 179 Julian San Francisco.  
Architect—None.  
Contractor—John Bjorkman, 51 Seville, San Francisco.  
Filed Dec. 8, '19. Dated Dec. 2, '19.  
Frame up ..... \$3493  
Brown coated ..... 3493  
Completed and accepted ..... 3493  
Usual 35 days after ..... 3493  
TOTAL COST, \$13,372  
Bond, Sureties, none. Forfeit, \$10. Limit, 190 days. No plans or specifications filed.  
NOTE: Permit reported Dec. 5. No. 2653.

### PLUMBING, ETC. ON ABOVE

(2886) PLUMBING AND GASFITTING on above.  
Contractor—George Rehn, 2034 Mission, San Francisco.  
Filed Dec. 8, '19. Dated Dec. 8, '19.  
Plumbing roughed in ..... \$783.50  
Completed and accepted ..... 783.50  
Usual 35 days ..... 509.00  
TOTAL COST, \$2036  
Bond, Sureties, forfeit none. Limit, as soon as possible. No plans or specifications filed.

### BUILDING

(2887) SW ELGIN PARK and McCompin E 75xS 100. All work for three-story class C building (Wesley Hall).  
Owner—Board of Missions of the M. E. Church, South.  
Architects—Hugh C. White, 734 42nd Ave., and T. Ronneberg, Crocker Bldg., San Francisco.  
Contractor—Chas. Stockholm & Sons, Monadnock Bldg., San Francisco.  
Filed Dec. 8, '19. Dated Dec. 2, '19.  
On before 1st of each month 75% Usual 35 days ..... 25%  
TOTAL COST NOT TO EXCEED \$65,000; contractor to receive \$4,000.  
Bond, \$25,000. Sureties, New Amsterdam Casualty Co. Forfeit, \$10. Limit, 270 days. Plans and specifications filed.

### DWELLING

(2887) W FOURTEENTH 174 N Cambridge. Two-story and basement frame dwelling.  
Owner—J. Harold Johnson, 771 25th Ave., San Francisco.  
Architect—None.  
Day's work .....

### ALTERATIONS

(2888) NO. 1543 NEWCOMBE AVE. Move and make general changes on residence, concrete work, etc.  
Owner—Thos. O'Brien, 552 Diamond, San Francisco.  
Architect—None.  
Contractor—J. A. Chevalier, 82 Flora, San Francisco.  
COST, \$360

### ALTERATION

(2889) NO. 1052 WASHINGTON. Enlarge kitchen and add one room to dwelling.  
Owner—R. Sprague, Premises.  
Architect—None.  
Contractor—S. A. Giusti, 617 Sansome, San Francisco.  
COST, \$500

### MACHINE SHOP

(2890) W POLK 30 S O'Farrell. One-story brick machine shop. 30x97-6.  
Owner—Louis D. Ston, care architect.  
Architect—C. O. Clausen, Hearst Bldg., San Francisco.  
Contractor—J. G. Kincannon, care architect.  
COST, \$10,000

### FACTORY

(2891) SW BRYANT AND 19th. Three-story brick factory.  
Owners—Chas. H. Lovell and Union Trust Company of San Francisco as trustees under trust created by the will of Chas. Lathrop, deceased.  
Architect—Sam Lightner Hyman, 1102 Crocker Bldg., San Francisco.  
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.  
COST, \$52,000

### GARAGE

(2892) S O' FARRELL 80 E Polk. One-story concrete public garage, 52-6x 12'-0".  
Owner—R. W. Moller, 614 Call Bldg., San Francisco.  
Architect—None.  
COST, \$30,000

### ALTERATION

(2893) NO. 569 TWELFTH AVE. Erect brick and terrazzo steps, change partitions, etc. for flats.  
Owner—J. B. Baltor, 658 12th Ave., San Francisco.  
Architect—F. S. Holland, 1629 Folsom, San Francisco.  
Day's work .....

### ALTERATION

(2894) SW JEFFERSON and Leavenworth. Raise roof and erect one additional story (50x137-6) brick and frame for cannery.  
Owner—California Packing Corp., 101 California, San Francisco.  
Engineer—Philip L. Bush, 101 California, San Francisco.  
COST, \$15,000

(2895) NOS. 360-362 GEARY. Alter store front, show windows, partitions, etc.  
Owner—Geo. F. Chevalier, Stanford Court Apts., San Francisco.  
Architect—P. Righetti, 668 Phelan Bldg., San Francisco.  
COST, \$5000

### STRUCTURAL IRON, ETC.

(2896) SW GEARY AND FIFTEENTH Ave W 142 S 100 E 39-5 1/2 SE 5 1/2 in. E 102-5 1/2 — 100-5 O L 259. Ornamental and structural iron work for two three-story and basement frame apartment houses.  
Owner—Ben Schloss.  
Architect—August G. Headman, Call Bldg., San Francisco.  
Contractor—Folsom Street Iron Works, 18th and Treat Ave., San Francisco.  
Filed Dec. 9, '19. Dated Nov. 1, '19.  
Fire escape brackets in place and approved ..... \$350  
Fire escapes completed ..... 450  
Completed and accepted ..... 204  
Usual 35 days ..... 335

TOTAL COST, \$1330  
Bond, none. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

(2697) HARDWOOD FLOORS ON above.  
Contractor—Royal Floor Co., 110 Jessie St., San Francisco.

Filed Dec. 9, '19. Dated Nov. 1, '19.  
Hardwood floors laid on 2nd and 3rd floors ..... \$1845.00  
Completed and accepted ..... \$275  
Usual 35 days ..... 22.75  
TOTAL COST, \$3691.00

Bond, none. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

(2698) GLASS AND GLAZING ON above.  
Contractor—W. P. Fuller & Co., Beale and Mission, San Francisco.

Filed Dec. 9, '19. Dated Nov. 1, '19.  
Completed ..... \$1521  
Usual 35 days ..... 508  
TOTAL COST, \$2029

Bond, none. Limit, 40 days. Forfeit, \$10. Plans and specifications filed.

GALVANIZED IRON WORK  
(2699) W MISSION 263-0 3/4 S 29th S 66-2 W 74 S 42-9 W 25-9 S 14-10 W 66-3 N 125-6 E 160 and strip 8 feet wide on N bdy of above. 116-11 W Mission and right of way 8 feet wide along N bdy of above. Galvanized iron for theatre building.  
Owner—Stephen Mariani, 2881 23rd St., San Francisco.

Architect—Reid Bros., 105 Montgomery St., San Francisco.  
Contractor—Guilfooy Corrice Works, 209 8th St., San Francisco.

Filed Dec. 9, '19. Dated Nov. 28, '19.  
On 7th of each month ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$1258

Bond, \$650. Sureties, Jas. Guilfooy and Howard C. Castle. Limit, as fast as required. Forfeit, \$20. Plans and specifications filed.

(2700) FLOOR TILING ON ABOVE.  
Contractor—Scott Co., 243 Minna St., San Francisco.

Filed Dec. 9, '19. Dated Nov. 21, '19.  
On completion ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$1056

Bond, \$528. Sureties, H. M. Pelt and Peter F. Scott. Limit, as fast as required. Forfeit, \$20. Plans and specifications filed.

(2701) HEATING AND VENTILATING ON above.  
Contractor—Atlas Heating & Ventilating Co., 72 Feron, San Francisco.

Filed Dec. 9, '19. Dated Nov. 29, '19.  
On 7th of each month ..... 75%  
Usual 35 days ..... 25%  
TOTAL COST, \$3909

Bond, \$2000. Sureties, V. Fassio and E. V. Lacey. Limit, 15 days after other branches of work will permit completion. Forfeit, \$20. Plans and specifications filed.

(2702) FIREPROOF PARTITIONS, furring, lathing and plastering on above.  
Contractor—Peter Bradley, 180 Jessie St., San Francisco.

Filed Dec. 9, '19. Dated Nov. 29, '19.  
Payments same as above ..... 75%  
TOTAL COST, \$9729

Bond, \$4865. Sureties, W. C. Duncan & E. Reilly. Limit, 15 days after other branches of work are formed; balance, 10 days thereafter. Forfeit, \$10. Plans and specifications filed.

(2703) ELECTRICAL WORK ON above.  
Contractor—Butte Electrical Equipment Co., 520 Folsom, F. O.

Filed Dec. 9, '19. Dated Nov. 20, '19.  
Payments same as above ..... 75%  
TOTAL COST, \$3139

Bond, \$1570. Surety, New Amsterdam Casualty Co. Limit, to be completed 10 days after other branches of work permit completion. Forfeit, \$20. Plans and specifications filed.

ALTERATIONS  
(2704) NOS. 22, 24, 26, 28, 30, 32 and 34 Octavia St. Octavio and Haigh St. 78x2 E. All work for alterations and additions to buildings known as Court Flat.  
Owner—De Lavenga Estate Co., 244 California, San Francisco.

Architect—None.  
Contractor—George W. Hansbrough, 380 Bush, San Francisco.

Filed Dec. 9, '19. Dated Nov. 28, '19.  
Every 7 days after beginning ..... \$1050  
31 days after, 25% ..... 3500

TOTAL COST, \$14,000  
Bond, none. Limit, 75 days after Dec. 1, 1919. Forfeit, none. Plans and specifications filed.

NOTE—Permit reported Nov. 21, 1919, No. 2526.

GARAGE  
(2705) W HOFF AVE 247 S 16th S 47-6x N 92-6. All work except painting for one-story concrete garage.

Owner—J. A. Lame.  
Architect—Arthur S. Bubgee, 316 Sharon Bldg., San Francisco.

Contractor—Adam Arras, 110 Jessie St., San Francisco.

Filed Dec. 9, '19. Dated Oct. 21, '19.  
W-14 procured to trust ..... \$250  
Completed and accepted ..... 2250  
Usual 35 days ..... 1500  
TOTAL COST, \$6000

Bond, \$4500. Surety, Fidelity & Deposit Co. Limit, 45 days. Forfeit, none. Plans and specifications filed.

NOTE—Permit reported Nov. 12, 1919, No. 2464.

ALTERATIONS  
(2706) NOS. 370-372 FIFTH. Change front and partitions and install post and girders.

Owner—Dr. Wm. Edwards, 240 9th Ave. St., San Francisco.

Architect—None.  
Contractor—A. Erlson, 326 Fulton St., San Francisco.

COST, \$2000

SHAVING INCINERATOR  
(2707) SW TWENTY-THIRD AND Shotwell. Erect shaving incinerator.

Owner—J. H. Kruse, Premises.  
Architect—Capt. W. W. Breite, 600 Clunie Bldg., San Francisco.

COST, \$4000

FRAME DWELLING  
(2708) N HOLLOWAY 100 E Brighton. One-story and basement frame dwlg. Construction, 274 Miramar, San Francisco.

Architect—None.  
Owner—None.  
COST, \$1400

ALTERATIONS  
(2709) NO. 3866 CLAY. Alter for basement garage.

Owner—E. H. Taussig, Premises.  
Architect—None.  
Contractor—W. J. McTairish, Trost Apmnts., San Francisco.

COST, \$800

REPAIRS  
(2710) NO. 557 MISSION. Repair fire damage. Carpentry, mill and sheet metal work, glazing, hardware, etc., for stores.

Owner—Mrs. Samuel Knight, Kohl Bldg., San Francisco.

Architect—Nathaniel Blaisdell, 255 California St., San Francisco.

Contractor—Moore & Watson, 110 Jessie, San Francisco.

COST, \$600

ALTERATIONS  
(2711) NO. 318 THIRD. Alter front and re-arrange partitions for cigar store.

Owner—S. S. Smith, 816 Pacific Bldg., San Francisco.

Architect—None.  
Contractor—Kronnick Bros., 1659 O'Farrell, San Francisco.

COST, \$500

FRAME BUNGALOW  
(2712) LOTS 1 AND 2 BLK 3175 Westwood Park. All work for one-story frame bungalow.

Owner—J. Richard Kemp, 145 2nd St., San Francisco.

Contractor—Chas. K. Strothoff, 2276 15th St., San Francisco.

Architect—Nelson Bros., 1375 Plymouth Ave., San Francisco.

Filed Dec. 10, '19. Dated Nov. 26, '19.  
On delivery of deeds by owner of lots 12 and 13 Blk 3165 Westwood Park ..... \$1690  
Deed of Trust for ..... 8120  
Frame up ..... 1876  
Brown coated ..... 1875  
Completed and accepted ..... 1875  
Usual 35 days ..... 1875  
TOTAL COST, \$12,310

Bond, \$8050. Sureties, Chas. Monson & Edwin Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ADDITION  
(2713) E SECOND 200 N Bryant. Five-story brick addition for lithographing plant.

Owner—Schmidt Lithographing Co., Premises.

Construction Manager—Frederick Whitton, 805 Exchange Block, San Francisco.

COST, \$228,000

ALTERATION  
(2714) NO. 233 GRANT AVE. Alteration for club rooms.

Owner—S. F. Cunnell Catholic Women, Premises.

Architect—Smith O'Brien, 742 Market, San Francisco.

Contractor—F. A. Brockhage, 1326 Natoma, San Francisco.

COST, \$910

ALTERATION  
(2715) E POWELL 120 N ELLIS. New store front and shelving.

Owner—Florsheim-Schaefer Co., 48 Kearny, San Francisco.

Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Contractor—H. C. Matthies, 180 Jessie, San Francisco.

COST, \$500

ALTERATION  
(2716) NO. 220 MARKET. Erect mezzanine floor in bakery.

Owner—R. O. Wilson, Fife Bldg., San Francisco.

Architect—None.  
Contractor—W. T. Commary, 601 Crocker Bldg., San Francisco.

COST, \$1000

RECORDED.  
ALTERATIONS & ADDITIONS  
(2717) SE ELLIS and Divisadero 37 1/2x115. All work except plumbing, painting, heating and light fixtures for alterations and additions to a 3-story and basement frame flat building.

Owner—Sophia Koerber, 2100 Pacific Ave., San Francisco.

Architect—John F. Beutler, 110 Sutter, San Francisco.

Contractor—H. P. Otten, 555 25th Ave., San Francisco.

Filed Dec. 11, '19. Dated Dec. 1, '19.  
Payments as work progresses. TOTAL COST, \$15,127

Bond, Sureties, Forfeit, none. Limit, 30 days. Plans and specifications filed.

NOTE—Permit reported Dec. 2, 1919, No. 2625.

(2718) NW FELL and Franklin W 137-6x N 120, W A. 140. All work for a one-story factory building.

Owner—De Lavenga Estate Co., 244 California, San Francisco.

Architect—Plans by owner.  
Contractor—A. D. Collman, 110 Jessie, San Francisco.

Monthly payments of ..... 75%  
Usual 35 days after ..... 25%  
TOTAL COST, \$38,108

Bond, \$19,054. Sureties, Fidelity & Deposit Co. of Maryland. Forfeit, none. Limit, 75 days after notification. Plans and specifications filed.

NOTE—Permit reported Dec. 8, 1919, No. 2676.

BUNGALOW AND GARAGE  
(2719) NW FAXON and Monterey Blvd., between lot 1 and E 15 feet lot 2 and E 15 feet lot 20, Blk. 3106 Westwood Park. All work for a one-story and basement bungalow and garage.

Owner—Ida F. McCain, 318 Kearny, San Francisco.

Architect—Ida F. McCain, 318 Kearny, San Francisco.

Contractor—H. J. Hansen, 1327 20th Ave., San Francisco.

Frame up and enclosed ..... \$2500  
Brown coated ..... 2500  
Completed and accepted ..... 2500  
Usual 35 days after work ..... 2500  
For additional brick work ..... 540  
TOTAL COST, \$10,540

Bond, \$5,000. Sureties, E. V. Lacey and E. Ellingson. Forfeit, none. Limit, 90 days. Plans and specifications filed.

NOTE—Permit also applied for today.

**ADDITION**  
(2720) NO. 262 HENRY. Addition of two rooms and tar and gravel roof. Owner—H. F. Kranskoff, Premises. Architect—None.

COST, \$750

**ALTERATIONS**  
(2713) NO. 367 GOLDEN GATE AVE. Underpinning for auto sales room. Owner—M. McRae, 2248 Virginia St., Berkeley. Architect—None. Contractor—MaeRae, 2248 Virginia St., Berkeley.

COST, \$1000

**ALTERATIONS**  
(2722) SW ARMY & FOLSOM. Alter store into 8 rooms and concrete foundation. Owner—H. Drewes, 3088 24th, S. F. Architect—None. Contractor—Mager Bros., 1818 Valencia St., San Francisco.

COST, \$800

**BRICK STORE BUILDING**  
(2723) N. 1087 E. of Hyde adj. garage 440 Post. All work for one-story brick store building. Owner—Goldberg Bowen & Co., 254 Sutter St., San Francisco. Architect—Helman, 97 Post St., San Francisco.

Contractor—John Spargo, 240 Montgomery St., San Francisco.  
Filed Dec. 12, '19. Dated Dec. 11, '19.  
Roof on ..... \$1187.50  
White coated ..... 1887.50  
Completed and accepted ..... 1887.50  
Usual 35 days ..... 1887.50

**TOTAL COST** \$7550.00  
Bond, \$3750. Sureties, Jos. Mulvihill & Inc. Hayden, Limit, 50 days. Forfeit, none. Plans and specifications filed.

**STRUCTURAL STEEL ETC.**  
(2724) SECOND TO STERLING. Structural steel and cast iron for 3-story brick, and reinforced concrete addition to lithograph plant. Owner—Schmidt Lithograph Co., Fremont. Contractor—Dyer Bros. Golden West Iron Works, Inc., 17th and Kansas Sts., San Francisco.  
Filed Dec. 12, '19. Dated Dec. 2, '19.  
On 10th of each month ..... 75%  
Usual 35 days ..... 25%  
**TOTAL COST** \$29,210  
Bond, \$14,605. Sureties, Geo. H. Dyer and L. W. Dyer. Limit, on press room, 30 days after Jan. 1st, 1920; balance to be completed 35 days after other steel is received from East. Forfeit, none. Plans and specifications filed.

**FRAME DWELLING**  
(2725) SE OCEAN AND OTSEGO. One story and basement frame dwelling. Owner—D. Tiscornia, 231A Delano Ave., San Francisco. Architect—None. Day's work.

COST, \$4000

**COMPLETE DWELLING**  
(2726) N. 1649 ELEVENTH AVE. Complete work on dwelling. Owner—Wm. D. Berg, 420 32nd Ave., San Francisco. Architect—None. Day's work.

COST, \$2000

**FRAME DWELLING**  
(2727) E TWENTY-SIXTH AVE 150 N. Henry. Two-story and basement frame dwelling. Owner—N. J. Nelson, 715 26th Ave., San Francisco. Architect—None. Day's work.

COST, \$3000

**CLASS "C" STORES**  
(2728) S BUSH 68-6 E Powell E 69x S 67-6. All work for one-story and basement Class "C" buildings (stores). Owner—George A. Webster, 132 Drumm St., San Francisco. Architect—Edw. Foulkes, 1106 Crocker Bldg., San Francisco. Contractor—Louis Cohn, Merchants National Bank Bldg., San Francisco.  
Filed Dec. 11, '19. Dated Dec. 1, '19.  
On or before 10 days after the 1st and 15th of each month ..... 75%  
Usual 35 days ..... 25%  
**TOTAL COST** not to exceed \$26,845.  
Contractor to receive cost plus \$1250.  
Bond, \$13,172. Sureties, Geo. Cohn and Morris Hlack. Limit, 75 days. Forfeit, none. Plans and specifications filed.  
NOTE—Permit reported Dec. 5, 1919. No. 2647.

## COMPLETION NOTICES

## San Francisco County

Dec. 4, 1919—S LAKE 82-6 E 24th Ave. 50x85 100. George C Sargent to Paul Agram. Dec. 1, 1919  
Dec. 4, 1919—N IRVING 32-6 W 23rd Ave. W 25xN 100. Thos O'Doherty to Thos O'Doherty. Dec. 4, 1919  
Dec. 4, 1919—SE TWENTY-SEVENTH and Balboa. E. H. Hildebrand to K. H. McKenzie. Dec. 6, 1919  
Dec. 4, 1919—E HYDE 56-8 E Bush 50xW 95. Louis D. Stoff to T. J. Sullivan. Dec. 1, 1919  
Dec. 8, 1919—E TWENTY-FIFTH Ave. 27-19—California 32 56x E 180 Maude McRe. Clark to Jacob H. Thorup. Dec. 3, 1919  
Dec. 8, 1919—S BUSH 106-3 W Fillmore N 127-6xW 25 August E. Drucker to Wm. Martin. Dec. 1, 1919  
Dec. 9, 1919—E HYDE 56-8 N Greenview N 63x2 56 Summit Corp to Pacific Rolling Mill Co. Dec. 4, 1919  
Dec. 10, 1919—W PLYMOUTH 23-64 S from NE cor. lot 4, S 88 deg 06 min. 22 sec. W 98.138 N 35.823. N 86 deg 34 min. 04 sec. E 98.232. S 38.454 lots, 3 and 4. Blk. 3177 Westwood Park. Nelson Bros. to whom it may concern. Dec. 9, 1919  
Dec. 10, 1919—LOTS 3 and 4. Blk. 64, Reis Tract. Jos. and Alfreda Rodlack to Jas. W. Rich. Dec. 10, 1919  
Dec. 10, 1919—S POST 30 W Hyde W 36xS 34. Arthur P. Rousseau to whom it may concern. Dec. 10, 1919  
Dec. 10, 1919—W SIXTEENTH AVE 18 Kirkham N 18xW 120. Sterling Realty Co. to whom it may concern. Dec. 10, 1919  
Dec. 10, 1919—W FOURTH AVE 250 N Fulton N 150xW 127-6. Sterling Realty Co. to whom it may concern. Dec. 10, 1919  
Dec. 10, 1919—S POST AND GOUGH S 137-6x E 52-6. American Motor Repair Co. to Barrett & Hill and Frederick Snook Co. Dec. 2, 1919  
Dec. 11, 1919—LOT 2 BLK "C" Lakeview. Louis F. and Lillian Henno to Olaf Olsen. Dec. 11, 1919  
Dec. 11, 1919—S BUSH 97-6x S 350 N 54 Mason and 97 and 99 Eddy. A W Wilson to Joel Johnson. Dec. 3, 1919  
Dec. 10, 1919—LOTS 3 and 4. Blk. 3197 Westwood Park. Herman C. Baumann to Robert G. Black. Dec. 11, 1919  
Dec. 12, 1919—W 20th S AND A BLK 3197 Westwood Park. Herman C. Baumann to Robert G. Black. Dec. 11, 1919  
Dec. 12, 1919—W 20th S AND A BLK 3197 Westwood Park. Wm P. and Elizabeth Day to Phillip Grell. Dec. 11, 1919

## LIENS FILED.

Dec. 8, 1919—N RAYMOND 75 E Rutland E 25xN 100. The Greater City Lumber Co. vs. K. C. Gardner and Thos McQuade. Dec. 8, 1919  
Dec. 6, 1919—NE RAYMOND 50 SE Rutland (Rutland). Geo. Ryan vs. C. Gardner and Thos McQuade. Dec. 8, 1919  
Dec. 9, 1919—W TWENTY-SECOND AVE 28 S "C" J. H. Krus to Portney, Amy, his wife, and Eva J. Dorman. Dec. 8, 1919

## LEASES.

## San Francisco County.

Dec. 6, 1919—N 1801 FULTON. Guadalupe Realty Co. to Nicholas Roumbanis. 5 years. \$3600.  
Dec. 6, 1919—N 12th and GEARY S line bet Franklin and Gough. August and Marie E. Schaefer to Mrs. Nathan B. Burns; 2 years; \$3000.  
Dec. 1, 1919—N 2820-2822 TWENTY-FOURTH ST. F. and Mary Onello to F. W. Taylor; 5 years; 40 per month.  
Dec. 8, 1919—N 521 BUSH. Kelly to Zavel Cohen; 5 years; \$27.00.  
Stanjan, Hermann Albert to Alice and Robert Mills. 5 years. \$50 per month.  
Dec. 9, 1919—N 2521 Mission. Maud A Day to Argiris Collias assigned to The Economy and H. J. Phillips. 5 years. \$5400.  
Dec. 9, 1919—S WRUSH AND SANSOME

Crocker Estate Co. to A Shirek & Sons. 2 years. \$6000.  
Dec. 9, 1919—N 1615 BUCHANAN. Alexander Bond to Low Doc Way. 3 years. \$1620.  
Dec. 10, 1919—NO. 447 POWELL W line bet Post and Sutter. Holder 35 and Chas Floodberg to Nick L Sabovich and John Cendo. 5 years. \$12,450.  
Dec. 11, 1919—NO. 1005 JONES ST. Apt. No. 4 Laura S Laine to Fred S Downey. 1 year. \$50 per month.  
Dec. 11, 1919—NE VAN NESS AND Olive Ave. N 60x E 109. E L Goldstein Co. to Kelly Springfield Tire Co. 10 years. \$88,800.  
Dec. 11, 1919—SE MERCHANT AND Battery S 45-10x E 187-6. Prospect Invest Co. to California Ink Co. Inc. 10 years. \$65,450.  
Dec. 11, 1919—NO. 3204 MISSION. Margaret Michaels to Nick Gavrilis. 5 years. \$30 per month.  
Dec. 11, 1919—N PINE 142-6 E Leavenworth. Chas H Kendrick to May A Bradley (a widow). 65 months. \$54,900.  
Dec. 11, 1919—NO. 471 TURK. Tom Spiker and Oscar Bank to Barney Franklin. 2 years. \$100 per month.  
Dec. 12, 1919—NOS. 3740-42 GEARY ST. Julius Kaiser to Conrad B. Sovig. 3 years. \$850.  
Dec. 12, 1919—CERTAIN PORTIONS OF Blk 4, University Mount Tract. Leon Bonneau to G. Galazzi. 5 years. \$4500.  
Dec. 13, 1919—LOT 1240 CALIFORNIA, being N California 140 W Jones. Sam Swartz at Jessie Renison. 3 years \$13,500.

## BUILDING CONTRACTS

## Alameda County

No.	Owner	Contractor	Amt.
4057	Potter	Vaughn	3000
4058	Low	Owner	2000
4059	Roddick	Cal Bldrs	26000
4060	Laveel	Shrader	850
4061	Manheim	Olson	12500
4061	Long	Sheridan	3700
4062	Long	Sheridan	3500
4063	Lenz	Michard	1000
4064	Long	Owner	250
4065	Tranmal	Owner	4000
4066	Pedroni	Owner	4000
4067	McCabe	Corbett	490
4068	Long	Olson	400
4069	Hollquist	Dixon	500
4070	Remillard	Walworth	775
4071	Goodman	Goodman	400
4072	Ede	Hopper	14355
4073	Mattern	Stockholm	1240
4074	Shuman	Engler	500
4075	Curtis	Gede	400
4076	Ellis	MacGregor	4900
4077	MacGregor	Owner	14700
4078	Jacobson	Owner	1500
4079	MacGregor	Owner	250
4080	Neary	Venn	400
4081	Frederickson	Owner	3000
4082	Keller	Morton	1500
4083	Marston	Brown	750
4084	Ford	Ford	1000
4085	Hollaender	Alldridge	1000
4086	J. Archb.	McCullough	15425
4087	Laufer	Peterson	17000
4088	Alder	Alder	2800
4089	Atlas	Christensen	1500
4090	MacGregor	MacGregor	400
4091	Wright	MacGregor	400
4092	Pageol	Owner	300
4093	Good	Good	400
4094	York	York	2000
4095	Asman	Asman	400
4096	Jalo	Jalo	4000
4097	Kaiser	Kaiser	3500
4098	Carleton	Carleton	2800

**DWELLING**  
(4057) N. CORONADO AVE 125 W Broadway, Oakland. One-story five-room dwelling. Owner—J. C. Potter, Oakland. Architect—None. Contractor—M. C. Vaughn, 5833 Ayala, Oakland.

COST, \$3000.

**ALTERATIONS**  
(4058) SE ELEVENTH AND WASHINGTON. Alterations on two-story store and office building into store. Owner—Lowe & Co., 1028 Broadway, Oakland. Architect—None. Day's work.

COST, \$20000

**APARTMENTS**  
(4059) W EUCLID AVE 175 N Grand Ave., Oakland. Two-story 25-room apartments.

Owner—J. W. Riddick, 1534 Franklin.  
 Architect—None.  
 Contractor—California Builders Co.,  
 1534 Franklin, Oakland.  
 COST, \$26,000

REPAIRS  
 (4060) NO. 727 SEVENTH, Oakland.  
 Fire repairs.  
 Owner—G. Laveel.  
 Architect—None.  
 Contractor—J. F. Shrader, 520 16th,  
 Oakland.  
 COST, \$850

DWELLING  
 (4061) LOT 27, BLK. 7-734, Highland  
 Subdivision Adams Point Property,  
 Oakland. All work for two-story and  
 basement frame dwelling.  
 Architect—E. W. Cannon, Central  
 Bank Bldg., Oakland.  
 Contractor—E. W. Leiter & Sons, Call  
 Bldg., San Francisco.  
 Filed Dec. 8, '19. Dated Dec. 5, '19.  
 Enclosed ..... 1/4  
 Plastered ..... 1/4  
 Completed and accepted ..... 1/4  
 Usual 35 days ..... 1/4  
 TOTAL COST, \$12,800  
 Bond, Sureties, Forfeit, none. Limit,  
 120 days. Plans and specifications  
 filed.

DWELLING  
 (4061) S GROVE and Hopkins, Ber-  
 keley. One-story 7-room dwelling.  
 Architect—None.  
 Owner—Roy O. Long, Elks Club, Ber-  
 keley.  
 Contractor—H. P. Sheridan, 2815 Grove  
 St., Berkeley.  
 COST, \$3700

DWELLING  
 (4062) N HOPKINS 191 E Napa, Ber-  
 keley. One-story 6-room dwelling.  
 Architect—None.  
 Owner—Roy O. Long, Elks Club, Ber-  
 keley.  
 Contractor—H. P. Sheridan, 2815 Grove  
 St., Berkeley.  
 COST, \$3500

ALTERATIONS  
 (4063) NO. 1636 ALCATRAZ AVE.,  
 Berkeley. Alteration and repairs.  
 Owner—R. L. Lenz.  
 Architect—None.  
 Contractor—H. Michard, 2911 Magnolia,  
 Oakland.  
 COST, \$1000

DWELLING  
 (4064) SW AYALA and ROSE, Oak-  
 land. One-story 5-room dwelling.  
 Owner—C. J. Pirang, 480 Forest St.,  
 Oakland.  
 Architect—None.  
 Day's work.  
 COST, \$2950

DWELLING  
 (4065) W CRESCENT 200 S Santa  
 Clara. One and one-half story dwlg.  
 Owner—Enoch Trammell, 554 54th, Oak-  
 land.  
 Architect—None.  
 Day's work.  
 COST, \$4000

ALTERATION  
 (4066) NO. 541 MYRTLE St. Oakland.  
 Alter dwelling to apartments.  
 Owner—J. F. Pedroni, Premises.  
 Architect—None.  
 Day's work.  
 COST, \$4000

ALTERATION  
 (4067) NO. 116 LAKE ST., Oakland.  
 Alteration.  
 Owner—Margaret L. McCabe, Prem.  
 Architect—None.  
 Contractor—Corbett & Bayless, 110  
 Franklin, Oakland.  
 COST, \$490

ALTERATION  
 (4068) NO. 640 SEVENTEENTH ST.,  
 Oakland. Alteration.  
 Owner—C. C. Borton.  
 Architect—None.  
 Contractor—Alfred Olson, 565 16th St.,  
 Oakland.  
 COST, \$440

WAREHOUSE  
 (4069) E SAN PABLO AVE. 140 S 22nd  
 St., Oakland. Warehouse.  
 Owner—John Hollquist, 5768 Vicente,  
 Oakland.  
 Architect—None.  
 Contractor—J. B. Dixon.  
 COST, \$800

REPAIRS  
 (4070) N. SECOND and CLAY, Oak-  
 land. Roof repairs.  
 Owner—Remillard Brick Co.  
 Architect—None.  
 Contractor—A. J. Walwarth, 527  
 Washington, Oakland.  
 COST, \$775

REPAIRS  
 (4071) NO. 4869 TELEGRAPH AVE.,  
 Oakland. Roof repairs.  
 Owner—Bates & Borland, Oakland  
 Bank Savings Bldg., Oakland.  
 Architect—None.  
 Contractor—A. K. Goodmundson, 565  
 16th St., Oakland.  
 COST, \$400

DWELLING AND GARAGE  
 (4072) PTNS LOTS 5 AND 6, Map  
 Piedmont Springs Tract, Piedmont.  
 Two-story frame dwelling and gar-  
 age.  
 Owner—Katherine A. Ede.  
 Architect—None.  
 Contractor—Myron E. and Marshall E.  
 Hopper (M. E. Hopper & Son), 1729  
 Piedmont Valley Ave., Oakland.  
 Filed Dec. 8, '19. Dated Dec. 8, '19.  
 1st story floor joists in place.....\$1535  
 Frame up ..... 2500  
 Brown coated ..... 3500  
 Completed and accepted ..... 3500  
 Usual 35 days ..... 2500  
 TOTAL COST, \$14,535  
 Bond, Sureties, Forfeit, none. Limit,  
 60 days. Plans and specifications filed.

EXCAVATION, ETC.  
 (4073) LOTS 6 AND 7, OAK RIDGE,  
 Berkeley. Excavation, foundations,  
 etc., for residence.  
 Owner—A. Mattern, 2701 Regent St.,  
 Berkeley.  
 Architect—Louis A. Upton and Milton  
 Latham, 452 Montgomery, S. F.  
 Contractor—Chas. Stockholm & Son,  
 Menadnock Bldg., S. F.  
 Filed Dec. 9, '19. Dated Dec. 8, '19.  
 Completed and accepted ..... \$930  
 Usual 35 days ..... 310  
 TOTAL COST, \$1240  
 Bond, Sureties, Forfeit, none. Limit,  
 15 days. Plans and specifications filed.

ADDITION  
 (4074) NO. 2801 BENVENUE, Berkeley  
 Addition.  
 Owner—Mrs. J. L. Shuman, Premises.  
 Architect—None.  
 Contractor—Louis Engler, 2435 Col-  
 lege Ave., Berkeley.  
 COST, \$500

DWELLING  
 (4075) NO. 852 CONTRA COSTA AVE.,  
 Berkeley. Two-story 9-room dwlg.  
 Owner—Henry and Clara Gede, 2309  
 Russell, Berkeley.  
 Architect—None.  
 Day's work.  
 COST, \$4900

DWELLING  
 (4076) LOT 3, Central Piedmont Tct.,  
 Piedmont. Two-story frame dwlg.  
 Owner—Walter Ellis.  
 Architect—None.  
 Contractor—C. M. MacGregor, 470 13th,  
 Oakland.  
 COST, \$4900

DWELLINGS  
 (4077) PIEDMONT COURT, Piedmont.  
 Three two-story frame dwellings.  
 Owner—C. M. MacGregor, 470 13th,  
 Oakland.  
 Architect—None.  
 Day's work.  
 COST, \$4900 each

DWELLING  
 (4078) W FOURTEENTH AVE 35 N  
 E 25th, Oakland. One-story 4-room  
 dwelling.  
 Owner—Carl A. Jacobsen, 1919 88th  
 Ave., Oakland.  
 Architect—None.  
 Day's work.  
 COST, \$1900

DWELLING  
 (4079) W OYER 100 S Porter, Oakland  
 One-story 2-room dwelling.  
 Owner—W. Curti, 3539 Redding, Okd.  
 Architect—None.  
 Day's work.  
 COST, \$450

ADDITION  
 (4080) NO. 485 SEVENTEENTH ST.,  
 Oakland. Addition.  
 Owner—Wm. F. Neary, 1701 Telegraph  
 Ave., Oakland.  
 Contractor—E. C. Venn, 517 23rd, Okd.  
 COST, \$400

DWELLING  
 (4081) E BAY VIEW PLACE head of

Ridge Terrace, Berkeley. Two-story  
 six-room dwelling.  
 Owner—Peter Fredrickson, 83 Shasta  
 St., Berkeley.  
 Architect—None.  
 Day's work.  
 COST, \$3000

ALTERATIONS  
 (4082) NO. 103 PLAZA DRIVE, Ber-  
 keley. Alterations.  
 Owner—Mr. Scott.  
 Architect—None.  
 Contractor—Mathew Morton, 2911 Ben-  
 venue Ave., Berkeley.  
 COST, \$1300

GARAGE  
 (4083) SW SCENIC and VINE, Ber-  
 keley. Garage.  
 Owner—Capt. Marston, 1500 Arch St.,  
 Berkeley.  
 Architect—None.  
 Contractor—E. A. Brown, 1604 Shat-  
 tuck Ave., Berkeley.  
 COST, \$750

ALTERATIONS  
 (4084) NO. 1237 BROADWAY, Ala-  
 meda. Alterations.  
 Owner—Mrs. Ida B. Ford, Premises.  
 Architect—None.  
 Contractor—J. L. Ford, Premises.  
 COST, \$1000

ALTERATIONS  
 (4085) NO. 1319 HIGH, Alameda.  
 Alterations.  
 Owner—Mrs. H. Hollander, 473 29th,  
 Oakland.  
 Architect—None.  
 Contractor—E. F. Aldridge, 1510 Hop-  
 kins, Oakland.  
 COST, \$1000

PARISH HOUSE  
 (4086) N. SHILOH and HOWE,  
 Oakland. All work except electric  
 fixtures, shades and heating system  
 for two-story frame parish house.  
 Owner—The Roman Catholic Arch-  
 bishop of San Francisco, 1100  
 Franklin, San Francisco.  
 Architect—James W. Placheck, 2014  
 Shattuck Ave., Berkeley.  
 Contractor—Henry McCullough, 1641  
 Alston Way, Berkeley.  
 Filed Dec. 10, '19. Dated Dec. 1, '19.  
 1st and 15th of each month.... 75%  
 Usual 35 days ..... 15,425  
 TOTAL COST, \$15,425  
 Bond, \$7712.50. Sureties, E. E. Under-  
 wood and F. E. Armstrong. Limit, 80  
 days. Forfeit, none. Plans and specifi-  
 cations filed.

DWELLING  
 (4087) S LONGBRIDGE ROAD 100 E  
 Rosemont Ave., Oakland. Two-story  
 9-room dwelling.  
 Owner—J. Lauffer, 3044 Grove, Oakland  
 Architect—Chas. W. McCall, Central  
 Bank Bldg., Oakland.  
 Contractor—Alfred Peterson, 3918 Lin-  
 wood Ave., Oakland.  
 COST, \$17,000

DWELLING  
 (4088) W SIXTY-THIRD AVE 200 N  
 Fortune Ave., Oakland. One-story  
 five-room dwelling.  
 Owner—A. Alder, 2487 62nd Ave., Oak-  
 land.  
 Architect—None.  
 Day's work.  
 COST, \$2000

ADDITION  
 (4089) FOOT EIGHTEENTH AVE.,  
 Oakland. Addition.  
 Owner—Atlas Imperial Engine Co.,  
 Premises.  
 Architect—None.  
 Contractor—C. Christensen & Son, 565  
 16th, Oakland.  
 COST, \$1500

GARAGE  
 (4090) NO. 1054 BAY VIEW AVE.,  
 Oakland. Garage.  
 Owner—Mr. Doty, Premises.  
 Architect—None.  
 Contractor—C. M. MacGregor, 470 13th,  
 Oakland.  
 COST, \$400

GARAGE  
 (4091) NO. 1066 BAY VIEW AVE.,  
 Oakland. Garage.  
 Owner—Mr. Wright.  
 Architect—None.  
 Contractor—C. M. MacGregor, 470 13th,  
 Oakland.  
 COST, \$400

SHED, ETC.  
 (4092) 107TH AVE and HOLLYWOOD  
 Blvd., Oakland. Shed & transformer  
 house.

Owner—Fagool Motors Co., Premises.  
Architect—None.  
Day's work. COST, \$900

**DWELLING**  
(4093) E FOURTEENTH AVE 650 N  
E-38th, Oakland. One-estory 5-room  
dwelling.  
Owner—Lulu Bond.  
Architect—None.  
Day's work. COST, \$3500

**DWELLING**  
(4094) E SEVENTY-FIFTH AVE 257  
S E-14th, Oakland. One-story 5-room  
dwelling.  
Owner—Gracie B. York, 1234 34th Ave.,  
Oakland.  
Architect—None.  
Day's work. COST, \$2000

**GARAGE**  
(4095) NO. 2832 TEXDAHL, Berkeley.  
Garage.  
Owner—O. E. Asman, Premises.  
Architect—None.  
Day's work. COST, \$400

**DWELLINGS**  
(4096) W TENTH 195 and 223 S Gray-  
son, Berkeley. Two one-story five-  
room dwellings.  
Owner—Victor Jalo, 2812 10th, Bkly.  
Architect—None.  
Day's work. COST, \$2000 each

**BUNGALOW**  
(4097) E FORTY-SEVENTH AVE 200  
N Foothill Blvd., Oakland. Five-room  
frame bungalow.  
Owner—Geo. W. Kaiser, 3459 Hollis St.,  
Oakland.  
Architect—None.  
Day's work. COST, \$3200

**BUNGALOW**  
(4098) N BOND 250 W Cole, Oakland.  
Five-room frame bungalow.  
Owner—A. Carleton, 2023 69th Ave.,  
Oakland.  
Architect—None.  
Contractor—A. Carleton, 2023 69th Ave.,  
Oakland.  
COST, \$2800

## COMPLETION NOTICES

### Alameda County

Dec. 6, 1919—LOT 4 BLK "A" Map  
Lakewood Park, Okd. Annie L.  
Dickey to Harry Schwalm.  
Dec. 6, 1919—ALONG SOUTH DOCK,  
Western Pacific Mole, Okd. Western  
Pacific Railroad to Hyde,  
Hargies & Co.  
Dec. 6, 1919—W SOUTH DOCK,  
Western Pacific Mole, Okd. Western  
Pacific Railroad to Hyde,  
Hargies & Co.  
Dec. 6, 1919—E BELLEVUE AVE  
352 25 N Van Buren, Okd. Annie  
Wachs to F A Muller.  
Dec. 9, 1919—LOTS 2-9, W 20 Lots 2, 4,  
7 and 8 and E 18½ Lots 1, 5, 6 and  
10 Bk K 31, Map Town of Pleasanton.  
I D E S Cohello Pelkato  
Lodge, No. 15 of Pleasanton to  
Charles Bruce.  
Dec. 9, 1919—LOT 13, BLK 11, Map  
Thousand Oaks, Oakland Tp. E R  
Lamb to whom it may concern.  
Dec. 9, 1919—LOT 5 AND SE ¼ lot 4,  
Bk 13, Map Lakeshore Highland,  
Oakland. Austin Clarke to C. M.  
MacGregor.  
Dec. 10, 1919—E FILBERT bet. 9th  
and 7th 100x125, Okd. Frank Marino  
to John Perona.  
Dec. 11, 1919—40 FEET  
Cor. Chabot Road and Hearn St S  
100xW 40, Okd. R H Schutz to  
Jesperson & Dippo.  
LIENS FILED.

### Alameda County

Dec. 1, 1919—LOTS 17 AND 18 BLK 5  
Map Kinsell Tract No. 2, Okd.  
Sunset Lumber Co vs A E Harter  
and C J Nelsen.  
LIENS FILED.

### BUILDING CONTRACTS.

#### Santa Clara County.

**FRAME BUNGALOW**  
ELM AND EMORY STS., near College  
of Pacific, San Jose. All work for

one-story frame bungalow.  
Owner—Grace M. Carter, 83 S-Ninth St.,  
San Jose.  
Designer—R. R. Wise, 757 Hedding St.,  
San Jose.  
Contractor—F. B. Wise, 757 Hedding  
St., San Jose.  
Filed Dec. 8, '19. Dated Dec. 8, '19.  
Frame up ..... \$525  
Plaster dry ..... 525  
Building completed ..... 525  
Usual 35 days. TOTAL COST, \$2100  
Bond, limit, forfeit, none. Plans and  
specifications filed.

**COTTAGES**  
ATLANTA AND DELMAS STS., San  
Jose. Four cottages.  
Owner—Cole Realty Co., San Francisco  
Architect—Henry Shermund, Hearst  
Bldg., San Francisco.  
Day's work. COST, \$3000 each

**COTTAGE**  
900 E. BLACK BIRD AVE., San Jose. Five  
room cottage.  
Owner—F. Bruch, 1019 Bird Ave., San  
Jose.  
Architect—None.  
Contractor—A. F. Haskins, 572 S-Ninth  
St., San Jose. COST, \$3600

**GARAGE**  
SARATOGA, Cal. All work for garage,  
garage walls, etc., in connection with  
residence.  
Owner—Charles D. Blaney, Saratoga.  
Architect—Willis Polk & Co., Hobart  
Bldg., San Francisco.  
Contractor—W. C. Duncan, Sharon Bldg  
San Francisco.  
Filed Dec. 6, '19. Dated Nov. 21, '19.  
On 15th of each month. 75%  
Usual 35 days. TOTAL COST, \$14,213  
Bond, \$7000. Sureties, H. L. Kaufman  
and Frederick W. Snook. Limit, 30  
working days. Forfeit, not less than  
\$10 per day. Plans and specifications  
filed.

### COMPLETION NOTICES.

#### Santa Clara County.

Recorded Accepted  
Dec. 5, 1919—THE ALAMEDA AVE.,  
San Jose. P A Jordan to J E Per-  
kins.  
LIENS FILED.

#### Santa Clara County.

Recorded Amount  
Dec. 3, 1919—PALO ALTO. Gray  
Thorning Lumber Co vs Dan and  
Helen Wagner. \$64.80

### RELEASE OF LIENS.

#### Santa Clara County.

Recorded Amount  
Dec. 3, 1919—SECOND AND KEYES  
Sts., San Jose. Ransome-Crummey  
Co to Mrs Emma J Wiswell. \$309.23

### BUILDING CONTRACTS.

#### San Joaquin County.

**ADDITION**  
FOURTH AND CALIFORNIA STS.,  
Stockton. Addition.  
Owner—Tom Rauch, 1749 S-California  
St., Stockton.  
Architect—None.  
Day's work. COST, \$1500

**EXHIBITION BLDG.**  
SOUTH AND AURORA STS., Stockton.  
Exhibition building.  
Owner—Samson Tractor Co., 1104 S.  
Aurora St., Stockton.  
Architect—None.  
Day's work. COST, \$25,000

**BUILDING**  
NW FREMONT AND HUNTER STS.,  
Stockton. Four-story building.  
Owner—Wagner Leather Co., Cptn.  
Hunter and Oak Sts., Stockton.  
Architect—None.  
Contractor—Frank Tucker, 321 N.  
Sierra Nevada St., Stockton.  
Filed Dec. 3, '19. Dated Nov. 24, '19.  
Limit, 90 days. COST, \$42,133

**FRAME DWELLING**  
NORTH STOCKTON. Frame dwelling.

Owner—Ramsay-Emerson Co., Record  
Bldg., Stockton.  
Architect—None.  
Day's work. COST, \$1800

### BUILDING CONTRACTS.

#### Sacramento County.

**FRAME DWELLING**  
NO. 1644 SANTA YNEZ WAY, Sacra-  
mento. One-story 5-room frame  
dwelling.  
Owner—L. L. Johnson, 1325 32nd St.,  
Sacramento.  
Architect—None.  
Day's work. COST, \$2500

**SHEDS**  
FRONT AND "W" STS., Brannans Ad-  
dition, Sacramento. Lumber sheds.  
Owner—Knox Estate, 1228 2nd St.,  
Sacramento.  
Architect—None.  
Contractor—A. Norris, 3012 "G" St.,  
Sacramento. COST, \$1500

**ALTERATIONS**  
NO. 1122 "P" ST., Sacramento. Re-  
model basement of residence.  
Owner—Edw. Diviny, Sacramento.  
Architect—None.  
Contractor—W. B. La Due, 2319 "O"  
St., Sacramento. COST, \$1350

**BUILDING**  
E 50 FEET LOT 2, O. P. 4th and 5th Sts.  
Sacramento. Building.  
Owner—E. Kudo, Inogishi Taada and  
G. Miki, 418 "O" St., Sacramento.  
Architect—None.  
Contractor—W. R. Campbell, 3521 "J"  
St., Sacramento.  
Filed Dec. 9, '19. Dated Dec. 8, '19.  
COST, \$1439

**ALTERATIONS**  
NO. 1224 "O" ST., Sacramento. Re-  
model residence.  
Owner—K. Wolf, 2101 "N" St., Sacra-  
mento.  
Architect—None.  
Day's work. COST, \$4000

**FRAME RESIDENCE**  
NO. 2208 FOURTEENTH ST., Sacra-  
mento. One-story 5-room frame  
residence.  
Owner—Wright & Kimbrough, 817 "J"  
St., Sacramento.  
Architect—None.  
Contractor—Wiederhold & Kimbrough,  
Sacramento. COST, \$3186

**TOILET**  
NO. 418 "O" ST., Sacramento. Two-  
room toilet.  
Owner—Buddhist Church, Premises.  
Architect—None.  
Day's work. COST, \$1400

**DWELLINGS**  
NOS. 511 and 515 TWENTY-THIRD ST.,  
Sacramento. Two one-story 5-room  
frame dwellings.  
Owner—M. R. Carpenter, 825 10th St.,  
Sacramento.  
Architect—None.  
Day's work. COST, \$3000 each

**ALTERATIONS**  
NO. 2507 "M" ST., Sacramento. Re-  
model residence.  
Owner—A. Leoni, Premises.  
Architect—None.  
Contractor—A. Leoni, 2507 "M" St.,  
Sacramento. COST, \$1800

### LIENS FILED.

#### Sacramento County.

Recorded Amount  
Dec. 1919—W ¼ OF E ¼ LOT 3, K.  
L. 6th and 7th Sts., Sacramento.  
(Alteration of building). Knox  
Lumber Co vs ..... \$495.42

### BUILDING CONTRACTS

#### Fresno County.

**FRAME DWELLING**  
NEAR DEL REY, Fresno. All work  
for frame dwelling.  
Owner—H. Chooljian, 245 I St., Fresno  
Architect—None.  
Contractor—Jas. Romano, Fresno.  
Filed Dec. 4, '19. Dated Dec. 1, '19.  
1st Saturday of each month. 75%  
Usual 35 days. TOTAL COST, \$4500

Bond, note Limit, 70 days. Forfeit, none. Plans and specifications filed.

**ADDITION**  
NO. 1038 YALE AVE., Fresno. Add to garage.  
Owner—R. Hulme, 224 N-Van Ness Ave Fresno.  
Architect—None.  
Day's work. COST, \$1500

**ALTERATIONS**  
LOTS 26 AND 27 BLK 95, Fresno.  
Alter theatre.  
Owner—Liberty Theatre, Van Ness Ave., Fresno.  
Architect—None.  
Day's work. COST, \$1600

**STORE BUILDING**  
LOTS 22 AND 23 North Van Ness Tct., Fresno. Store building.  
Owner—E. J. McAbey, 2701 Tulare St., Fresno.  
Architect—None.  
Contractor—Yarnell & Garges, 1026 S. 4th St., Fresno.  
COST, \$3800

**DWELLING AND GARAGE**  
LOTS 25 TO 28 BLK 1, Hills Addition, Fresno. Frame dwelling and garage.  
Owner—Neal & Kelly, 620 Haisina St., Fresno.  
Architect—None.  
Day's work. COST, \$3000

**FRAME DWELLING**  
LOT 24 BLK 6, Orchard Hill Addition, Fresno. Frame dwelling.  
Owner—Geo. Van Buskirk, Fresno.  
Architect—None.  
Day's work. COST, \$2500

**DWELLINGS, ETC.**  
LOTS 10 AND 11 BLK 58; Lots 20, 21 and 22 BLK 55 and Lots 11, 12 and 12 BLK 57, East Fresno. Three frame dwellings and garages.  
Owner—Fresno Bldg. Cptn., Fresno.  
Architect—None.  
Day's work. COST, \$3750 each

**FRAME DWELLING**  
LOTS 22 AND 23 BLK 1, Matthew Addition, Fresno. Frame dwelling.  
Owner—C. W. Church, Fresno.  
Architect—None.  
Contractor—J. R. Church, 221 N-U St., Fresno.  
COST, \$2500

**FRAME DWELLING**  
LOTS 29 AND 30 BLK 6, Odd Fellows Addition, Fresno. Frame dwelling.  
Owner—W. G. Holland, 430 Calaveras Ave., Fresno.  
Architect—None.  
Contractor—G. C. Cannon, 2039 Fresno St., Fresno.  
COST, \$3000

**DWELLING**  
LOTS 10 AND 11 BLK 4, Stratford Place, Fresno. Frame dwelling and garage.  
Owner—V. Cox, 2535 College St., Fresno.  
Architect—None.  
Contractor—Shorb & Neads, 127 Fresno Ave., Fresno.  
COST, \$7500

**STORE FIXTURES**  
NO. 1159 "J" ST., Fresno. Store fixtures.  
Owner—General Cigar Co., Inc. (M. A. Gunst) Branch.  
Architect—None.  
Contractor—L. & E. Emanuel, 1530 Filbert St., San Francisco.  
Filed Dec. 10, '19. Dated Dec. 6, '19.  
Delivered .....\$4050  
Completed .....2025  
Usual 35 days. ....2025  
TOTAL COST, \$8100

Bond, \$4050. Sureties, M. S. Greenberg and C. F. Mertens. Limit, 60 days. Forfeit, \$20. Plans and specifications filed.

**FRAME DWELLING**  
LOT 27 BLK 23, Belmont Addition, Fresno. Frame dwelling.  
Owner—John H. Meyer, 2230 White St., Fresno.  
Architect—None.  
Day's work. COST, \$1500

**ADDITION**  
"O" AND BUTLER ST., Fresno. Addition.  
Owner—California Products Co., Prem.  
Architect—None.  
Day's work. COST, \$1000

**DWELLINGS**  
LOT 7 BLK 23 and Lots 4 and 5 Blk 9, Hazelwood. Four frame dwellings and garages.  
Owner—Thos. Montgomery, Fresno.  
Architect—None.  
Day's work. COST, 2 \$2800 each and 2 \$3600 each.

**DWELLING**  
LOTS 7 AND 8 BLK 53, East Fresno. Frame dwelling and garage.  
Owner—L. Jones, 4121 Illinois St., Fresno.  
Architect—None.  
Contractor—M. H. Hart, Fresno.  
COST, \$4700

**DWELLING**  
LOTS 39 AND 40 BLK 12, College Addition, Fresno. Frame dwelling.  
Owner—Towrie.  
Architect—None.  
Contractor—A. Nicholson, 2710 Merced St., Fresno.  
COST, \$5000

**DWELLING**  
LOTS 7 AND 8 BLK 253, Fresno. Frame dwelling.  
Owner—J. Calandra, 927 "A" St., Fresno.  
Architect—None.  
Contractor—J. Lo Forti, Fresno.  
COST, \$2000

**DWELLING**  
LOTS 5 AND 6 BLK 1, Orchard Hill Addition, Fresno. Frame dwelling and garage.  
Owner—D. Cherry, 1841 Tulare St., Fresno.  
Architect—None.  
Contractor—H. T. Humphreys, 1040 Roosevelt St., Fresno.  
COST, \$3500

#### COMPLETION NOTICES.

##### Fresno County.

Recorded Accepted  
Dec. 9, 1919—SE COR. CERTAIN 40 Acres ¼ mile from Melvin. G A Spiropoulos to whom it may concern.....June 28, 1919

Recorded Accepted  
Dec. 4, 1919—LOT 49 Producers Col., Fresno. L R Hamilton to whom it may concern.....Nov. 28, 1919  
Dec. 5, 1919—LOTS 3 AND 4 BLK 20, North Park Terrace, Fresno. R N Peterson and Chas E Chessa to whom it may concern....Dec. 4, 1919

#### U. S. AIDS ROAD WORK BEING DONE IN ARIZONA.

TUCSON, Arizona.—Because of a \$2,000,000 present to Arizona by the United States Government, road making in

this state has been much simplified and the expense reduced to a minimum.

Huge, tractors, trucks, cranes, steam shovels, pumps, rock crushers, elevator graders and tone of high explosive form the gift of the Government to Arizona to help with the \$20,000,000 program of state highway construction which the state is to carry through in less than 18 months. It is all War Department material being distributed to all states for road building.

#### FRENCH RECONSTRUCTION TASK.

The following facts regarding the magnitude of the reconstruction task confronting the French Minister of the Liberated Regions were given out by M. Labbe, Director General of the Technical Services.

Building work alone would require 22,000,000 tons of material and the labor of 700,000 people for one year; 100,000 houses are to be entirely rebuilt, requiring 5,000,000,000 bricks, 3,000,000 cubic meters of sand, 1,000,000 tons of lime, 13,000,000 square meters of tiles and 3,000,000 cubic meters of wood. Reconstruction of highways and railroads would require 3,000,000 tons of materials and the labor of 15,000 men for one year. An addition of 20,000 trains and 5,000 trucks would be required.

#### BUSINESS OPPORTUNITY.

SAN FRANCISCO.—The California Development Board, Ferry Bldg., is soliciting information concerning municipal markets in California, methods of financing and administering, cost of construction, etc.

The Board is also seeking information for a Danish Lutheran minister who is looking for a tract of land suitable for building up a settlement, mainly composed of church people from the Middle States.

#### \$40,000,000 TRAMWAY DEVELOPMENT PLANNED.

LONDON, Eng.—A new plan for tramway development in the London district, involving an outlay of \$40,000,000, is under consideration. The proposal contemplates the construction of 90 miles of new tramways, along crowded traffic routes, to link up with lines and systems outside the county.

#### STRIKES COST SHIP BOARD \$37,000,000.

WASHINGTON. — Chairman Payne has announced that strikes had cost the shipping board \$37,000,000 since January 1. The estimates included marine and harbor strikes, longshoremen's and shipyard strikes on the Atlantic, Pacific and Gulf coasts and did not include the coal strike.

Telephone Douglas 5114

## Valley Tie & Lumber Co.

Manufacturers and Wholesalers

## Pacific Coast Lumber Products

General Office: Eugene, Oregon

S.F. Office: 401 Balboa Bldg.

F. S. NOLAND, Resident Manager

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

### JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street San Francisco

### Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum  
General Mill and Cabinet Work, Stock  
Doors, Sash Frames and Mouldings

House Phone, Kearny 2967.  
Apartment Phone, Kearny 2307

### FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

### HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLACK  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
OREGON MAPLE-PLAIN OAK  
-QUARTERED OAK-  
WYBROCK BENDING OAK  
POPLAR-WALNUT



BORWICK-EBONY-IRONBARK  
JENISERO-WDA-SPANISH CEDAR  
LIGHTUMVITAE-MAHOGANY  
RUSKWOOD-TEAK-RED BEAN  
SPOTTED OAK-CHICASSIA WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBROCK VENEERED PANELS  
WHEELS-TREENAILS-VENEERS

### WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

### PIERCE-BOSQUIT Abstract & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

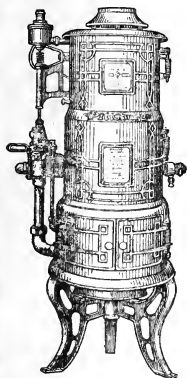
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., December 24, 1919

Published Every Wednesday  
Nineteenth Year, No 52



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

**PITTSBURG WATER HEATER CO.**

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze      Will not exude  
Will not give off noxious gases  
No thawing  
No leaking  
No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

**Frank J. Klimm**  
**PLUMBER**

**221 Oak Street**

Bet. Gough and Octavia

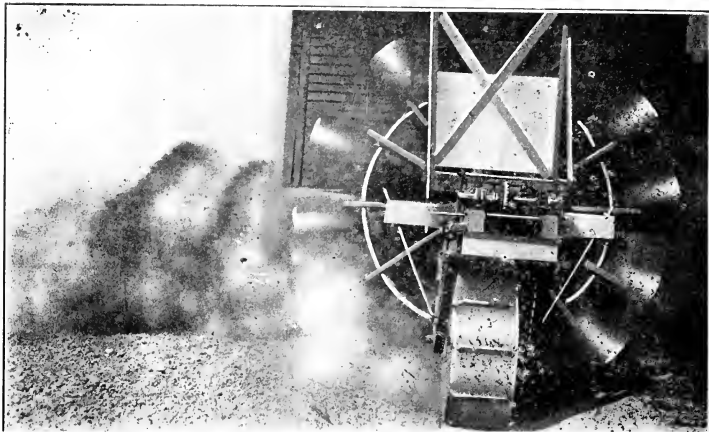
San Francisco

## DRAIN DITCHES

### MACHINE

in  
Action  
cutting  
drainage  
ditch  
without  
embankment

Leaving land free  
to be cultivated up  
to edge of drain  
ditch. Capacity of  
Machine will depend  
largely on charact  
er of soil, but under  
ordinary  
circumstances  
it will handle  
from 200 to 300  
cubic yards  
per hour



HARTSOUGH ROTARY DITCHER

**For Full Particulars Address**

# Volute Ditching Machine Co.

**404 Wells Fargo Express Bldg.**

**SAN FRANCISCO, CAL.**

### IRRIGATION DITCHES.

Machine will cut  
an irrigation ditch  
to a true hydraulic  
form and by the  
simple application  
of a striking board  
is enabled to deposit  
the excavated mate-  
rial on the bank at  
the edge of the cut  
or leave as much of  
a berm as is desired.  
Wide ditches as well  
as narrow ones can  
be cut economically  
with this machine.

### ROAD CONSTRUCTION

Machine can be  
used by the Road  
Contractor in many  
different instances,  
as its ability to kick  
a lot of dirt out of  
the way in a short  
time will make it in-  
valuable where cuts  
must be disposed of  
over the road side,  
whether this be up  
or down; it should  
also prove a great  
money saver on road  
drainage ditches.

### OPERATING COSTS

Machine uses Gas  
or kerosene for fuel  
and requires about  
2½ gallons per hour.  
Cost of Lubricating  
Oils is about half of  
the fuel cost. Two  
men can operate the  
Machine, one must  
be a gas engine man  
and the other a  
laborer, and Machine  
can be operated as  
well at night as in  
daylight.

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates—One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
500 Mission Street.  
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEAD-QUARTERS.

General Wood Joins A. A. E.

The latest member obtained by the American Association of Engineers in its campaign for 10,000 new members during the first two weeks in December is Major General Leonard Wood, commanding general of the Central Department of the United States Army.

General Wood's application was passed by the National Qualifications Committee of the Association on account of the engineering experience obtained by General Wood while he was military governor of Mindanao and because of the high order of sanitary engineering talent displayed by him while acting in that capacity. General Wood was in charge of the construction of highways, harbor improvements, railroads, schools, water purification works, and sewerage systems.

Inasmuch as the American Association of Engineers has declared itself in favor of universal military training and during the war had 20% of its membership in military and naval service, and since it is promoting the interests of sanitary and other engineers in the service of the Federal Government by means of a federal department of the Association, General Wood finds his sympathies entirely in accord with its policies.

General Wood is the ten-thousandth member of the American Association of Engineers. A year ago the membership was only 2,300, and this increase to 10,000 is irrespective of the members gained during the drive which is being held throughout the United States from December 1st to 13th. The results from the membership drive are not tabulated, but the national headquarters of the Association at Chicago are receiving many times the usual number of applications. The Association is not a technical organization, but one which promotes the social and economic welfare of professional engineers. It was organized in 1915 in Chicago, and in less than five years has become the greatest society of American engineers in spite of the forty-year start of the older organizations. It has 100 local chapters and clubs throughout the United States.

Board Bill No. 56, providing for increased compensation for professional engineers employed by the city of St.

Louis has been passed by the Board of Aldermen of that city. This bill was prepared by the municipal section of the St. Louis Chapter of the American Association of Engineers last spring, and its passage is the culmination of a campaign which has been waged since it was enacted into law.

The bill had previously been endorsed by a number of engineers and employes as containing provision for reasonable increase in salaries, and had been endorsed openly by the mayor and by the city council and had been approved by the efficiency board. The board of estimate and apportionment was the stumbling block which prevented the progress of the bill up to the board of aldermen for passage, and the fact that it has now approved the bill means that the increased salaries will go into effect January 1st.

The success of the municipal section of the St. Louis Chapter of A. A. E. in obtaining these results is largely due to the efforts of Ernest Paffrath and George Grimm, Jr., respectively president and secretary of the section.

Following a recent hearing granted to the engineer employes of the city of Cleveland before the board of control of that city, the latter body authorized an increase of 10% in salaries of professional engineers employed by the city.

## UNITED STATES CIVIL SERVICE EXAMINATIONS.

Testor of Tractors.  
December 30, 1919.

Associate Physicist Qualified in Aeronautics.  
January 6, 1920.

Mechanical Engineer in Experimental Work.  
January 6, 1920.

Draftsman, Architectural and Structural Steel.  
January 6, 1920.

Fire Prevention Engineer.  
January 13, 1920.

Applicants should apply at once for Form 1312, stating the title of the examination desired to the Civil Service Commission, Washington, D. C., or Post Office, San Francisco.

## County Road Improvements in California.

Building & Engineering News,  
San Francisco, California.

Gentlemen:

Answering your favor of the 19th instant, I am pleased to give you the information requested. In this connection I am enclosing a copy of the final report of the Highway Commission of this county, which I believe is in sufficient detail to give you an idea of the roads built under this bond issue.

Yours very truly,

A. C. FULMOR,  
County Surveyor.

## Riverside County Highway Commission.—Final Report.

Period ending September 1, 1918  
To the Board of Supervisors, Riverside County, California.

Riverside, California.  
September 10, 1918.

## Final Report of the Highway Commission of the Highway Improvement Fund.

On December 17, 1913, \$1,125,000.00 five-per cent bonds, maturing in 11 to 40 years were voted for the construction of roads. The money was available for the construction May 1, 1914, but prior to this date the county had made preliminary surveys so the construction work was well organized by May 1, 1914.

Concrete pavement 16 feet wide, 4 inches thick, surfaced with oil and screenings was adopted as the standard type of construction.

The Commission contracted with the Riverside Portland Cement Company for 125,000 barrels of cement with an option to purchase an additional 75,000 bbls., or any part thereof, all to be delivered as the work required. The price was \$1.74 per bbl. with a credit for returned containers of 40 cents per barrel, making a net price of \$1.34 per barrel. Under this contract 141,933.5 barrels were purchased.

A contract was made with the Pacific Rock and Gravel Company to furnish 125,000 tons of screened gravel and 60,000 tons of sand, with an option of an additional 50,000 tons of gravel and 25,000 tons of sand, or any part thereof. The price was 30 cents per ton for gravel and 5 cents per ton for sand f. o. b. cars at their plant near Azusa on the Santa Fe Railroad. Under this con-

tract 128,772 tons of gravel and 76,755 tons of sand were used, but the local material was used on some contracts where the conditions justified.

A contract was made with the National Roadmate Paving & Supply Company for 7,000 barrels of Class A road oil (90% asphaltum) at 85 cents per barrel, and 12,000 barrels of class B oil (80% asphaltum) at 65 cents per barrel, with an option for an additional 3,500 barrels of Class A and 6,000 barrels of Class B, deliveries to be made as needed f. o. b. cars at Roadmate. A total of 15,082.75 barrels were used under this contract.

The total construction was as follows:

	Miles
Concrete .....	94.05
Macadam .....	22.31
Graded, including graveling and oil and gravel surfacing .....	142.18
<b>Total .....</b>	<b>258.54</b>

For a statement of the contracts made on the separate routes your attention is called to previous reports on file with you.

In April, 1917 the general engineering organization was abandoned and the construction was placed in charge of A. C. Fulmor, County Surveyor, as Engineer.

The surveying instruments, automobiles and all miscellaneous supplies have been turned over to the county and are now being used in various departments.

Respectfully submitted,

W. B. CLANCY,  
S. C. EVANS,  
A. P. CAMPBELL,  
Highway Commissioners.

#### NO HEAT; JANITOR IS FIRED.

CHICAGO.—Flat dwellers, rejoice! Alexander Zurachow, flat owner, was fined \$200 for not providing sufficient heat for tenants.

#### HIGHWAY IMPROVEMENT FUND.

	Cr.	Dr.
Sale of Bonds .....	\$1,125,000.00	
Premium .....	37,237.00	
Interest to Sept. 1, 1918 .....	40,263.58	
Colton Ave. Paving for County .....	3,284.96	
Santa Fe Paving at Winchester .....	30.00	
Laying Pipe for Trujillo Water Co. ....	74.93	
Santa Fe Repairing Road at Ferris .....	37.71	
Transfers from General County Fund ..	49,265.81	
Railroad share of Beaumont Overhead Crossing....	5,025.00	
Refund Ford Roadster .....	50.00	
Sundry Material Sold .....	13,135.82	
Cancelled Warrants, etc. ....	762.42	
Sundry Refund Freight, Demurrage, Donations, etc.	21,822.48	
Auditor's Transfer for Expenses prior to May 1, -914		\$ 8,145.95
Paid for rights of Way prior to May 1, 1914 .....		2,329.00
Warrants issued from May 1, 1919, to Sept. 1, 1918 ..		1,285,515.24
	<b>\$1,295,990.19</b>	<b>\$1,295,990.19</b>

#### EXPENDITURES. General.

Salaries .....	\$ 21,413.06
Office Supplies .....	2,455.84
Telephones and Telegrams .....	1,396.85
Printing .....	810.92
Furniture and Fixtures .....	277.57
Rent .....	127.94
Blue Printing .....	1,825.57
Surveying Instruments .....	1,662.47
Surveying Supplies .....	458.15
Testing Materials .....	
Auto No. 1 Cadillac—Cost .....	\$2,125.00
Running Expense .....	1,658.25
Auto No. 2 Ford Touring—Cost .....	625.80
Running Expense .....	523.85
Auto No. 3 Ford Roadster—Cost .....	502.00
Running Expense .....	1,513.75
Oiling Machinery and Supplies .....	836.51
Rights of Way .....	1,452.20
Expense Commission .....	773.21
Miscellaneous .....	4,130.97
	<b>\$ 46,865.89</b>
Total Expenditures on Roads .....	\$1,222,966.35
Sundry refunds deducted from above amount paid on Roads for rock, cement, etc. furnished, and freight and demurrage refunds .....	26,157.95
	<b>\$1,295,990.19</b>

#### EXPENDITURES ON ROADS (Not Including General Office Exp.)

Route	Description	Length	Office, Survey and Inspection	Construction Survey, Oiling and Contracts	Total.
1	Corona to Orange Co. Line.....Concrete.....	5.37 miles	\$ 2,780.18	\$ 60,400.10	\$ 63,180.28
2	Arlington to Corona .....	5.70 "	548.03	38,502.90	39,050.93
3	Corona to San Bernardino Co. Line .....	3.78 "	1,252.02	39,069.93	40,321.95
4	Box Springs to Perris .....	9.46 "	1,219.78	66,948.20	68,167.98
5 a and b	Perris to Hemet .....	12.87 "	6,890.35	86,351.66	93,248.01
6	Hemet to San Jacinto .....	1.25 "	370.18	10,814.58	11,184.76
7	Alessandro to Moreno .....	10.50 "	1,892.99	84,034.34	85,927.33
8	Moreno to Beaumont .....	2.86 "			
		6.55 "	3,894.44	113,703.51	117,597.95
9	Beaumont to Banning .....	3.00 "	675.86	27,856.15	28,532.01
11	Perris to Elsinore .....	9.41 "	2,456.87	82,794.14	85,251.01
12 a, b & c	Elsinore to San Diego Co. Line .....	20.20 "	6,854.69	184,728.28	191,582.97
13	Iowa Avenue .....	2.97 "	611.87	24,259.00	24,870.87
14	Rialto Road .....	.60 "	111.14	3,129.81	3,240.95
15	Corona to Elsinore Grade 3.10 .....	3.50 "	2,670.75	11,991.12	14,661.87
16	Winchester to Perris .....	2.58 "	546.54	15,914.63	16,461.17
17	Banning to Whitewater .....	13.73 "	1,817.96	37,557.88	39,375.84
18	Whitewater to Indio Point Grade & Oil Mac .....	31.59 "	4,315.44	126,909.72	131,225.16
19	Mecca to Imperial Co. Line.....Grade & Surf.....	13.09 "	703.36		
20	Mecca to Shavers Wells .....	14.17 "	617.88	17,677.04	18,294.92
21	Indio to Mecca .....	13.43 "	3,446.08	111,555.92	115,002.00
22	Shavers Wells to Blythe .....	68.83 "	1,411.23	29,259.38	30,670.61
12	Bridge—Hot Springs Creek between Murrietta and Temecula .....			4,510.42	4,510.42
			<b>\$44,997.64</b>	<b>\$1,177,968.71</b>	<b>\$1,222,966.35</b>

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES

Segregated Figures Being Taken.

APARTMENTS Cost, \$30,000  
SAN FRANCISCO. Eighteenth Avenue  
and Lake Street.

Three-story frame apartment house, 8  
apartments (2 5-room; 2 3-room,  
and 4 4-room apts.).

Owner—Angus McKillop.

Designer—A. M. Hardy, 212 8th Ave.,  
San Francisco.

Carpentry work awarded to Alex. Mc-  
Killop.  
(31169) 1st report Oct. 28, 1919.

Plans Being Prepared.

APARTMENTS Cost, \$100,000  
LOS ANGELES. Figueroa Street near  
41st Street.

Four-story Class "C" brick apartment  
house (75 apts. of 2 and 3 rooms  
each).

Owner—Owners Corporation, Max

Rapaport, President.

Architect—J. Burton Cook, 632 Wesley  
Roberts Bldg., Los Angeles.

Sketches Prepared.

ADDITION Cost, \$35,000  
CHICO, Butte Co., Cal. Third and  
Salem Streets.

Two-story fireproof addition for apart-  
ments.

Owner—J. H. Minderman and C. F.  
Reynolds, Chico.

Architect—Chester Cole, Waterland-  
Breslau Bldg., Chico.

NOTE:—Construction will not be  
started for at least six months.

Completing Plans. Contract Awarded  
APARTMENTS Cost, \$200,000 or more  
SAN FRANCISCO. Steiner Street and  
Pacific Avenue.

Seven or eight-story Class "A" apart-  
ment house (2 apts. on each floor).

Owner—Kittle Estate. (Mrs. Hinckley

Taylor).

Architect—Benj. G. McDougall, Shel-  
don Bldg., San Francisco.

Contractor—Chas. Stockholm & Son,  
Monadnock Bldg., San Francisco.

Plans Ready for Figures in 30 Days.

APARTMENTS Cost, \$140,000  
FRESNO. Fresno Co., Cal. NE Kern &  
"N" Streets.

Four-story fireproof apartments, 40x  
150.

Owner—J. Crick, 1100 Van Ness Ave.,  
San Francisco.

Architects—Glass & Butner, Cory  
Bldg., Fresno.

Completing Plans. To be Done by Days  
Work.

APARTMENTS Cost, \$10,000  
SAN FRANCISCO. Third Avenue, Sun-  
set District.

Two-story and basement frame and  
plaster apartments (4 3-room apts.  
and basement garage).

Owner—Mr. L. Arthur, 1230 Arguello  
Blvd., San Francisco

Architect—E. E. Young, 251 Kearny  
St. San Francisco.

#### BANKS

Plans Being Figured.

BANK BUILDING Cost, \$50,000  
ANTIOCH, Contra Costa Co., Cal. Cor.  
Second and "H" Streets.

One-story reinforced concrete bank  
building.

Owner—Bank of Antioch.

Architects—Sweetser & Baldwin, Marsh

Strong Bldg., Los Angeles.

Plans may be obtained at the bank

in Antioch.

Figures are being taken for a gen-  
eral contract except interior fixtures,  
which will be taken later.

Working Drawings Being Completed.

BANK BUILDING Cost, \$100,000  
KINGSBURG, Fresno Co., Cal. Draper  
Street.

Fireproof bank building, 100 foot

frontage.

Owner—Kingsburg Bank.

Architect—Anton Johnson, Kingsburg.

Plans Being Figured.

BANK & OFFICE BLDG. Cost, \$100,000  
SAN PEDRO, Los Angeles Co., Cal.  
Two-story and basement Class "B"

bank and office building, 50x100.

Owner—First National Bank of San

Pedro.

Architects—Edelman & Barnett, 826

H. W. Helman Bldg., Los Angeles.

(31843) 1st report Nov. 29, 1919.

Commissioned to Prepare Plans.

ADDITION Cost, \$—  
SAN FRANCISCO. W Sansome St. N of  
Market Adj. present building.

Class "A" addition to bank building.

Owner—Anglo-London Paris National

Bank.

Architect—Geo. W. Kelham, Sharon  
Bldg., San Francisco.

It has not been decided how many  
stories the addition will be, nor how  
much money will be spent in the im-  
provement.

#### BONDS

RIVERSIDE, Riverside Co., Cal.—In-  
vestigation has revealed that the City  
can vote bonds to an amount not ex-  
ceeding \$200,000 for a City Hall. The  
business men's association has ap-  
pointed a committee to take up the  
City Hall project with the Chamber  
of Commerce. The committee consists  
of F. P. Younglove, H. W. Hammond  
and W. C. Moore.

MANTECA, San Joaquin Co., Cal.—  
Bids will be opened by the Directors  
of the So. San Joaquin Irrigation Dis-  
trict on January 20th for the purchase  
of the \$200,000 bond issue with which  
to finance the completion of the drain-  
age system, finishing up the work of  
filling the flume, straightening and  
work.

AUBURN, Placer Co., Cal.—A move-  
ment has been started to call a city  
bond election to build a paved road  
connecting the Auburn-Grass Valley  
Highways.

CORCORAN, Kings Co., Cal.—The  
election held recently in the Corcoran  
Irrigation District resulted in the \$760,-  
000 bond proposition carrying by a big  
majority. Proceeds of the sale will  
finance reclamation work.

YREKA, Siskiyou Co., Cal.—Bonds of  
\$125,000 have been voted in the Scott  
Valley Irrigation District.

The proceeds from the sale of the  
bonds are to be used in the construc-  
tion of a ditch along the foothills on  
the East Side of Scott Valley, distribut-  
ing water to approximately 6,000 acres  
of fertile land.

SUSANVILLE, Lassen Co., Cal.—On  
approval of the plans and specifications  
for the proposed road from Susanville

EUGENE, Ore.—Bonds of \$2,000,000 to  
finance the construction of a county  
highway system have been voted in  
Lane County of which Eugene is the  
County seat.

ABERDEEN, Grays Harbor Co.,  
Wash.—The \$1,200,000 bond issue for a  
county highway system carried at a  
recent election.

SAN JOSE, Santa Clara Co., Cal.—  
Bids will be received by the County  
Supervisors up to January 5th, 1920, 11  
A. M., for the purchase of the \$75,000  
bond issue of the Cupertino Union  
School District. Henry A. Pfister is  
County Clerk.

OROVILLE, Butte Co., Cal.—Bids will  
be received by the County Supervisors  
up to January 15th for the purchase of  
the \$140,000 bond issue of the Paradise  
Irrigation District. Proceeds of the  
sale will finance improvements in the  
district.

James Pearson is President and G. C.  
Bille, Secretary of the District.

RICHMOND, Contra Costa Co., Cal.  
—Merchants of Macdonald avenue,  
Richmond and Washington avenues are  
contemplating the installation of an  
electrolux system. Data on the pro-  
posed system is now being gathered by  
the City Council of which A. C. Farls  
is Clerk.

EL MONTE, Los Angeles Co., Cal.—  
Bonds to the amount of \$55,000 were  
voted for constructing a city sewer  
system.

to the Nevada State line, an election  
will be called in the Lassen Boulevard  
District to secure \$60,000 with which  
to finance construction. The estimated  
cost is placed at \$120,000 the other  
half to be contributed by the State of  
California.

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill. ....	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago .....	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago .....	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago.....	TREASURER
C. E. DRAVER .....	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng. Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry., Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Ertor, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng. New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.....	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.....	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F. Cal.....	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co. ....	THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles.....W. P. R. R.
F. Johnston, Union Const. Co.
L. D. Howland....C. C. Moore Co.
I. G. Grundel.....Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown.....S. P. R. R.
E. B. Crane....C. M. & P. S. Ry.
P. J. Rowell.....I. C. C.

### COMPENSATION COMMITTEE

G. M. Nelson....Consulting Eng.
E. V. Vandercook....S. P. R. R.
W. T. Cleland .....
Chief Dep. Sur. Santa Clara Co.
V. D. Cousins.....P. T. & T. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp.....S. P. R. R.
EMPLOYMENT REPRESENTATIVE

### MEMBERSHIP COMMITTEE

D. L. Reynolds.Pac. Fruit Ex. Co.
J. Amweg....Consulting Eng.
W. H. Rupp.....S. P. R. R.
E. D. Brown..Redwood Mfrs. Co.
Clarence D. Stone.....S. P. Co.
A. B. Hartley.....S. P. Co.
H. W. Shrieber.City of Oakland.
F. E. Gelbel.....S. P. Co.
C. B. Newberry.inter. Com. Com.
J. F. Johnston.Union Const. Co.
E. V. Vandercook....S. P. Co.

### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....S. P. Co.
O. R. West....A. T. & S. F. Co.
W. S. Wollner.....N. W. P. Co.

### QUALIFICATION COMMITTEE

W. H. Phelps.....S. P. Co.
O. R. West....A. T. & S. F. Co.

### PUBLICITY COMMITTEE

E. D. Brown..Redwood Mfrs. Co.
G. M. Nelson....Consulting Eng.

### POLITICAL COMMITTEE

E. H. Herbert....Oliver Mfg. Co.
----------------------------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHAPTERS & CLUBS:

### SACRAMENTO CHAPTER

Lathrop, H. A.....Secretary
1321 Thirty-third St.,
Sacramento - - California

### LOS ANGELES CHAPTER

Harris, A. L.....Secretary
1104 Central Building
Los Angeles - - California

### PORTLAND CHAPTER

Barnes, R. W. ....Sec. & Treas.
36 Union Station
Portland - - Oregon

### FRESNO CHAPTER

Jean L. Vincenz.....Secretary
P. O. Box 922
Fresno - - California

### SAN DIEGO CHAPTER

Grumm, Fred.....Secretary
2898 Spruce Street
San Diego - - California

### SAN BERNARDINO CLUB

Woods, M. A.....Secretary
608 Tenth Street
San Bernardino - - California

### EUREKA CLUB

Howard, F. W.....Secretary
Eureka - - California

**BAKERSFIELD, Kern Co., Cal.**—The Supervisors of Kern County have tentatively decided to call an election to vote on issuing \$500,000 bonds to provide a memorial auditorium in the civic center in Bakersfield, and a building on the library memorial plan for every community in the county which has at present a post of the American Legion. Architect Chas. H. Biggar of Bakersfield, will be asked to prepare preliminary plans for the memorial. The auditorium for Bakersfield will have a seating capacity of 3000.

**SAN LUIS OBISPO, San Luis Obispo Co., Cal.**—The \$1,500,000 bond issue held recently to finance the construction of a county highway system carried. This is the second election, the first having failed to carry.

**OROVILLE, Butte Co., Cal.**—The \$1,800,000 bond issue to finance construction of 199 miles of roads in Butte County carried at a recent election. C. F. Belding is County Clerk.

**FRESNO, Fresno Co., Cal.**—The City Council, Chas. Dillon, City Clerk, is planning the purchase of three lots in "G" street and three lots at the corner of First and Belmont avenue on which it is planned to erect modern fire houses.

**SELMA, Fresno Co., Cal.**—Up to January 6th bids will be received by the Fresno County Supervisors for the purchase of the \$115,000 bond issue of the Selma School District. Proceeds of the sale will finance construction of a new school building.

**LONE PINE, Inyo Co., Cal.**—An election will be held December 31 in the Lone Pine school district, Inyo County, to vote on issuing \$40,000 bonds to purchase a site and erect a high school.

**HOLLISTER, San Benito Co., Cal.**—Steps are being taken by the residents in the Bolso District to organize a grammar school district in order that a bond issue might be voted to secure funds to erect a new school building, costing between \$5,000 and \$10,000.

W. J. Cagney is County Superintendent of Schools.

**CALEXICO, Imperial Co., Cal.**—Bonds to amount of \$30,000 were voted to construct a municipal water system and \$30,000 bonds were voted to complete the water works supply system, cement the canal and acquire rights of way.

**VALLEJO, Solano Co., Cal.**—On recommendation of City Engineer T. D. Kilkenny the City Council, Alf. E. Edgumbe, City Clerk, is considering the calling of an election to vote bonds of \$250,000 with which to finance street improvements.

## CHURCHES

Plans to be Prepared.  
**CHURCH** Cost, \$60,000  
**FRESNO, Fresno Co., Cal.** "M" and Calaveras Streets.  
Fireproof church building (125x150 size of site).  
Owner—First Methodist Church of Fresno.  
Architect—Not Yet Selected.

Day's Work.  
**CHURCH** Cost, \$6,000  
**MORGAN HILL, Santa Clara Co., Cal.**  
One-story frame bungalow church.  
Owner—Christian Church of Morgan Hill, J. W. Webb, Pastor.  
Architect—None.  
Supt. of Construction—John Gale.

Plans Being Prepared.  
**ADDITION** Cost, \$50,000  
**LOS ANGELES, Cal.** Highland Park.  
Addition of brick auditorium to church  
Owner—Highland Park Presbyterian Church.  
Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

Plans Being Prepared.  
**CHURCH** Cost, \$30,000  
**LANKERSHIM, Los Angeles Co., Cal.**  
Frame and plaster church.  
Owner—First M. E. Church.  
Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

Plans Being Prepared.  
**CHURCH** Cost, \$26,000  
**GLENDALE, Los Angeles Co., Cal.**  
Hollow tile or brick church.  
Owner—Glendale Congregational Church.  
Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

## FACTORIES & WAREHOUSES

Plans to be Prepared.  
**STORAGE PLANT** Cost, \$70,000  
**SAN JOSE, Santa Clara Co., Cal.**  
One-story reinforced concrete cold storage plant.  
Owner—Bayside Canning Co.  
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Plans Being Prepared.  
**BUILDING** Cost, \$—  
**SANTA ROSA, Sonoma Co., Cal.**  
One-story reinforced concrete building.  
Owner—California Packing Cptn., 101 California St., San Francisco.  
Architect—Philip Bush, 101 California St., San Francisco.

Plans Ready for Figures Next Week.  
**CANNERY** Cost, \$45,000  
**ISLETON, Sacramento Co., Cal.** 1 mile above Isleton.  
One-story frame cannery building.  
Owner—Bayside Canning Co., Alviso, Calif.  
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.

Plans Being Prepared.  
**WAREHOUSE** Cost, \$50,000  
**MAYFIELD, Santa Clara Co., Cal.**  
One-story concrete and brick warehouse.  
Owner—Bayside Canning Co., Alviso, Calif.  
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.

Contracts Awarded. Lumber and Iron Bids Wanted Next Week.  
**BUILDINGS** Cost, \$—  
**OAKLAND, Alameda Co., Cal.** S E-14th Street 154 E 54th Avenue.  
Six reinforced concrete buildings for woolen mills.  
Owner—Federal Wool Mfg. Co., Mo-nadnock Bldg., San Francisco.

Designer & Contractor—Geo. Wagner, 251 Kearny St., San Francisco.  
The following contracts have been awarded:  
**Sand, Rock and Gravel** to California Building Material Co.  
**Cement**—Santa Cruz Portland Cement Company.  
**Steel**—Tuscon Steel Co.

Contract Awarded.  
**BRICK BLDG.** Cost, \$20,000  
**SAN FRANCISCO, S Folsom W First.**  
One-story reinforced concrete and brick building, 75x100 (Foundation strong enough for 4 stories).  
Owner—Catherine Dunn Co.  
Architect—Alfred Kuhn, 333 Market St., San Francisco.  
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

Contract Awarded. Excavation to Start Next Week.  
**CANNERY** Cost, \$335,000  
**GRIDLEY, Butte Co., Cal.**  
One-story brick and concrete cannery, 80x300.

Owner—Libby, McNeill & Libby.  
Architect—Washington J. Miller, 417 Market St., San Francisco.  
Contractor—Palmer & Peterson, Mo-nadnock Bldg., San Francisco.  
The contractors will be ready to take sub-figures in about two weeks.

**SACRAMENTO, Cal.**—The bid of the Sacramento Transportation Co., Front and "N" Sts., Sacramento, for building an elevator on the waterfront at \$16,542 has been accepted by the City Commissioners. The only other bid received was that of the Otis Elevator Co., at \$16,980.

Sub-Figures Being Taken.  
**PRINTING PLANT** Cost, \$150,000  
**SAN FRANCISCO.** Third and Bryant Streets.  
Five-story reinforced concrete printing and book binding plant.  
Owner—Lange & Bergstrom, Sharon Bldg., San Francisco.  
Lessee—Schwabacher-Frey Co., Market and Second Sts., San Francisco.  
Designers & Contractors—Lange & Bergstrom, Sharon Bldg., San Francisco.  
Sub-figures will be taken next week on all parts of the work.

Plans to be Prepared.  
**MANUFACTURING BLDGS.** Cost, \$—  
**OAKLAND, Alameda Co., Cal.**  
Group of manufacturing buildings (pottery plant).  
Owner—Withheld.  
Architect—Washington J. Miller, 417 Market St., San Francisco.

Contract Awarded.  
**FACTORY, ETC.** Cost, \$100,000  
**EMERYVILLE, Alameda Co., Cal.**  
Two-story reinforced concrete factory and power house.  
Owner—American Rubber Mfg. Co.  
Architect—Washington J. Miller, 417 Market St., San Francisco.  
Contractor—R. W. Littlefield, 565 16th St., Oakland.

Plans Being Prepared. Contract Awarded on a Percentage Basis.  
**SIOF, ETC.** Cost, \$—  
**RICHMOND, Contra Costa Co., Cal.**  
Group of 15 1, 2 and 3 story reinforced concrete buildings, machine shop, etc., to be known as "Mechanical

Group," also sewers, sidewalks, street paving, railroad tracks, etc. Owner—Standard Oil Co. Engineers and Contractor—The Foundation Co. 58 Sutter St., San Francisco.

The Foundation Company are preparing the ground for construction, which will be started as soon as plans are complete. Sub-figures will be taken on all parts of the work.

## GARAGES

Bids in and Under Adjudication.

**GARAGE** Cost, \$12,000  
SAN FRANCISCO. W Mission 70 S Ocean Avenue.  
One-story brick garage, 53x100.  
Owner—Geo. Lagomarsino, 5571 Mission St., San Francisco.  
Architect—Paul F. De Martini, 2123 Powell St., San Francisco.

Plans to be Prepared.

**GARAGE** Cost, \$50,000  
COLUCA, Colusa Co., Cal. SE Fourth and Market Streets.  
Two-story reinforced concrete garage and autosale, 80x120.  
Owner—J. J. O'Rourke, Colusa.  
Architect—Not Selected.

Contract Awarded.

**GARAGE** Cost, \$12,000 approximately.  
SAN FRANCISCO. S Clement W of Eleventh Avenue.  
One-story reinforced concrete and steel garage.  
Owner—Jacob Weisbein.  
Architect—H. C. Baumann, 251 Kearny St., San Francisco.  
Contractor—W. A. Miller, 743 5th Ave., San Francisco.

Sub-Figures Being Taken.

**GARAGE** Cost, \$—  
SAN FRANCISCO. E Howard and 5th Streets.  
Class "C" garage and warehouse, 155x188.  
Owner—Pacific Gas & Electric Co.

Architect—Wm. Knowles, Hearst Bldg., San Francisco.  
Mr. Knowles is taking figures for the following sub-contracts:

Electric Work, Painting, Plumbing, Glass and Glazing, Metal Window Frames, Roofing, Rolling Doors (Kanneer or equal), Elevator Work, Etc.  
The Clinton Construction Co. 140 Townsend St., has the concrete contract at \$114,120.

Contracts have also been awarded for the steel work and excavating; carpentry will be done by days labor.

Plans Being Prepared. Contract Awarded.

**GARAGE** Cost, \$70,000  
FRESNO, Fresno Co., Cal. Van Ness and Tuolumne Streets.  
Two-story and basement reinforced concrete garage and auto sales room, 75x150.  
Owner—L. S. Cobb & Co., Inc.  
Architect & Contractor—R. F. Felchlin Co., Rowell Bldg., Fresno.

## GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bids for the construction of a coal hopper at San Diego in connection with the Naval Fuel Depot, will be called by the Bureau of Yards and Docks, Navy De-

partment, within the next few weeks. The work will be provided for under Specification No. 4165.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, 422 Bell Street Terminal, Seattle, up to 11 A. M. January 26th, 1920 for furnishing and erecting in Alaska one steel bridge consisting of one 504 ft. through span.  
Official proposal is on file in this office.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, 422 Bell Street Terminal, Seattle, Wash., up to 11 A. M. January 12th, 1920, for furnishing frogs, switch points, angle bars, nut locks, guard rails, rail clamps and end blocks and switch stands, under Circular No. 335.  
Copy of official proposal may be seen at this office.

WASHINGTON, D. C.—The following awards have been made for work at Navy yards and stations on the Pacific Coast:

Puget Sound, specification 3983. temporary storage building, Puget Sound Bridge and Dredge Co., 811 Central Bldg., Seattle, Wash., \$51,350; time, 180 days.

San Diego, Calif., specification 4070, extension to radio buildings, Walter Slater Co., 2314 Santa Fe Ave., Los Angeles, Calif., \$7,500; time, 90 days.

Keyport, Wash., specification 4077, radio towers, Foundation Company, L. C. Smith Bldg., Seattle, Wash., \$42,468; time, 180 days.

WASHINGTON, D. C.—The contract for furnishing plumbing and heating materials, outside service connections and sewer discharge in the U. S. Marine Hospital, San Francisco, has been awarded to the Crane Co., 2nd and Brannan streets, San Francisco, at \$4,322.

WASHINGTON, D. C.—The Hemp Co., Corporation, St. Louis, Mo., has been awarded a contract by the General Supplies Division, Office, Purchase, Storage & Traffic, Washington, D. C., for furnishing to Fort Mason, San Francisco, stove pipe joints, they being low bidders as follows: 2,000 at 20 cents each; 1,000 at 22.5 cents each, or 100 at 27 cents each, f. o. b. St. Louis.

WASHINGTON, D. C.—Bids will be received by the Department of the Interior, Office of Indian Affairs, Washington, D. C., up to January 8th, 2 P. M., for furnishing materials and labor for the erection of a steel bridge over the Santa Clara River in the Shivwits Indian Reservation, Utah.

Plans may be seen at the United States Indian Warehouse, 608 Howard St., San Francisco.

SUPPLIES FOR THE NAVY—Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows. Closing date noted at end of each paragraph.

Schedule 5207, for Mare Island, 2 foundry pressure blowers, opening of January 6.

Schedule 5208, eastern and western yards, miscellaneous Portland cement,

opening of December 30.

Schedule 5209, eastern and western yards, 56 carpenters' adzes, ship augers, sliding T levels, 116 Foster type and gimlet bits, 321 carpenters' chisels, firmer socket augers, smoothing and jointer planes, various kinds of saws, also steel multiple folding rules, opening of January 6.

Schedule 5210, for Mare Island, 6 wood trimmers, opening of January 20.

Schedule 5212, for Mare Island, 43 tinsmiths' machines, opening of January 6.

Schedule 5213, eastern and western yards, 188 washer cutters, various kinds of punches and 12 low dies, opening of January 6.

Schedule 5214, eastern and western yards, 89 drill chucks, opening of January 20.

Schedule 5215, various eastern and western yards, various kinds of pliers, opening of January 6.

Schedule 5216, eastern and western yards, measuring tapes, opening of January 6.

Schedule 5217, various eastern and western yards, miscellaneous ratchet drills, opening of January 6.

Schedule 5236, for Puget Sound, 3 portable and tool dressing furnaces, 7 forges, various kinds, 1 blower or compressor, opening of January 9.

Schedule 5238, for Puget Sound, 1 torsion meter, 1 revolution counter and 1 engine log system, opening of January 9.

Schedule 5239, for Mare Island, 10,000 lbs. cotton rags, opening of December 30.

Schedule 5240, for Puget Sound, 43,600 deck bolts and nuts and 2,000 pounds iron or steel washers, opening of January 13.

Schedule 5241, for Puget Sound, 8,900 pounds sheet lead, opening of January 13.

Schedule 5242, for Puget Sound, sheet steel, opening of January 13.

Schedule 5255, for Puget Sound, 3 crane ladders, 10 hand ladders, 1 magnetic separator, 1 tumbler and spare parts, 1 brass furnace, 2 iron cupolas and 1 blower or compressor, opening of January 13.

Schedule 5261, for Puget Sound, 2 forced draft blowers, opening of January 13.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

L. A. Danner Co., Stockton, Calif., has been awarded a contract at \$1,890 for painting and repairs at the U. S. Post Office, Stockton, Calif. The work is to be completed in 30 days.

The following bids were received November 26 at San Diego, Calif., under Yards and Docks Specification 4070 for extension to radio buildings:

Item 1, work, complete; 2, price per cu. yd. for concrete and excavation for helix foundation.

Walter Slater Co., item 1, \$7,500, 90 days; (2) \$2.

Louis A. Geisler (1) \$8,548.17; (2) concrete, \$25, excavation, \$1.50.

SAN DIEGO, Until 11 a. m., January 7, bids be received by Major Frederick H. Downing, U. S. District Engineer, 725 Central Bldg., Los Angeles, for dredging in San Diego harbor. Three areas are to be dredged, requiring



## BUILDING AND ENGINEERING NEWS

200,000, 350,000 and 1,077,000 cubic yards excavation respectively, a total of 1,584,000 cubic yards. There is an appropriation of \$374,000 available for the work, including incidental expenses.

### HALLS AND SOCIETY BUILDINGS

Contract Awarded.

LODGE & CLUB BLDG. Cost, \$100,000  
PORTLAND, Ore. Park and Taylor Sts.  
Four-story brick and concrete lodge and club building.

Owner—Knights of Columbus.

Architect—Jos. Jacobberger, Board of Trade Bldg., Portland.

Contractor—A. Guthrie & Co., Sherlock Bldg., Portland.

### HOTELS

SAN MATEO, San Mateo Co., Cal.—Weymouth & Corrigan, San Mateo, have been awarded the contract for painting and papering the Wisnom Hotel building now being remodeled on Second Avenue.

Site Purchased. Plans to be Prepared. HOTEL, ETC. Cost, \$—

TRACY, San Joaquin Co., Cal. SW Central Ave. and Ninth St.

Two-story concrete stores and hotel.

Owner—J. C. Droge, Tracy.

Architect—Not Selected.

Plans Being Prepared.

HOTEL. Cost, \$80,000  
SEATTLE, Wash. Westlake Avenue  
Vicinity of Times Square.

Four-story and basement brick hotel, 50x120.

Owner—Withheld.

Architect—O. Dickinson, Seaboard Bldg., Wash.

Plans to be Prepared.

HOTEL. Cost, \$250,000  
COLUSA, Colusa Co., Cal. NW Fourth and Market Streets.

Three or four-story reinforced concrete hotel, 150 rooms (building site, 120x120).

Owner—J. J. O'Rourke, Colusa.

Architect—Not Selected.

Plans to be Prepared.

HOTEL, ETC. Cost, \$200,000  
WINNEMUCCA, Nevada. Site of Old El Dorado Hotel.

Five-story fireproof hotel, bank and store building (110 rooms, half of which will have private baths).

Owner—Association headed by George Wingfield, Reno, Nevada.

TURLOCK, Stanislaus Co., Cal.—Articles of incorporation have been filed with County Clerk Hugh Benson by the Stanislaus Hotel Company. The company plans the erection of a modern hotel building in Turlock to be known as "The Stanislaus." Directors of the company are: H. S. Crane, C. H. Geer, E. B. Osborn, Howard Whipple and C. F. Pendergraft. The company is capitalized at \$275,000.

### POWER PLANTS

VENTURA, Ventura Co., Cal.—The State Railroad Commission has granted the Sespe Light & Power Co., Merchants Trust Bldg., Los Angeles, permission to construct hydro-electric

plants at the Sespe and Piru rivers in Ventura County. The company must present its plans for financing the project within 90 days. The company proposes to build two dams on Sespe river, a conduit 8 miles long and two power plants of 10,000 to 15,000 kilowatts each. The water will also be used to irrigate 100,000 acres in Simi, Santa Clara, Little Simi, Epworth, Las Posas, Conejo and Russell valley.

### PUBLIC BUILDINGS

SAN FRANCISCO.—Mr. Jules Alexander and associates of Susanville, Cal., who recently sold a 320 acre industrial site at Susanville, Lassen County, to the Fruit Growers Supply Co., which concern is now constructing an industrial plant which will give permanent employment to approximately 1500 workmen, announces that upon their adjoining properties they have completed arrangements for the erection of 300 or more standardized houses to cost approximately \$1800 each.

These houses are to be offered for sale to employees of the Fruit Growers Supply Company and the Lassen Lumber & Box Company.

The houses are to be constructed upon standardized plans prepared by Mr. John E. Rogers, Engineer, of this city and under his general supervision. The contract for plumbing and sewage disposal has been let to J. M. Lettich, Monadnock Bldg., San Francisco.

PLANS BEING RE-FIGURED. Bids Close

Dec. 30, 1919, 1 P. M.

COMPOSITE BANDSTAND. Cost, \$—

OAKLAND, Alameda Co., Cal. Lake-side Park.

Completion of bandstand (steel, stone and carved wood). The foundation and base are already in.

Owner—City of Oakland Park Commissioners, City Hall, Oakland.

Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Only one bid was received on December 16th, as follows:

Andrew T. Hunt, \$45,600; alternate (1) \$33,345; (2) \$26,865.

This bid was rejected as being too high and new bids called for with a third alternate, which is expected to bring it within the appropriation.

Plans and specifications may be obtained in about three days from the office of the Park Commissioners on a deposit of \$10.

Plans Being Completed. Bids to be Called Shortly.

COMFORT STATIONS. Cost, \$20,000  
FRESNO, Fresno Co., Cal. County Court House Grounds.

Two one-story reinforced concrete comfort stations.

Owner—County of Fresno. D. M. Barnwell, County Clerk.

Architects—Swartz & Ryland, Rowell Bldg., San Francisco.

Plans Being Figured. Bids Close Feb. 2, 1920.

COURT HOUSE. Cost, \$150,000  
INDEPENDENCE, Inyo Co., Cal.

Reinforced concrete and terra cotta court house.

Owner—Inyo County.

Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Prepared.

DECORATION WORK. Cost, \$20,000

SAN FRANCISCO. Auditorium Building, Civic Center.

Decoration work for auto show.

Owner—Pacific Auto Show.

Architects—Ward & Blohme, 454 California St., San Francisco.

Plans to be Completed.

AQUARIUM. Cost, \$250,000  
SAN FRANCISCO. Golden Gate Park

E of Academy of Science Building, Class "A" Aquarium.

Owner—California Academy of Sciences

Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Engineer—T. Ronneberg, Crocker Bldg., San Francisco.

NOTE:—Through a court decision the money will be available in the near future, and construction started as soon as plans can be completed.

### RESIDENCES

Plans Being Prepared.

BUNGALOWS. Cost, \$4000 each

BURLINGAME, San Mateo Co., Cal.

Five one-story frame bungalows (5 rooms each).

Owner—Withheld.

Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Plans Being Prepared.

COTTAGES, ETC. Total cost, approximately, \$500,000.

DEL MONTE, Monterey Co., Cal.

Bath house, 225 cottages of two and three rooms each; altering boat house into power plant; extension of pier; parking, etc.

Owner—Del Monte Bath House Co., Headed by H. J. Lugg of New York.

Architect—Paul V. Tuttle, 565 Light-house Ave., Pacific Grove.

Mr. Lugg has been in Del Monte for the past few weeks accompanied by C. L. Lyon, contractor of New York, who will have charge of all construction.

Sketches Being Prepared.

RESIDENCE. Cost, \$8,000  
SAN FRANCISCO.

One and one-half-story frame residence

Owner—Withheld.

Architect—A. M. Hardy, 212 8th Ave., San Francisco.

Plans Being Figured.

RESIDENCES. Cost, \$10,000 each  
SAN FRANCISCO. Forest Hill.

Six two-story and basement frame and plaster residences and separate garages (7 and 8 rooms and 3 bathrooms each.)

Owner—Withheld.

Architect—Walter Falch, Hearst Bldg., San Francisco.

Figures are being taken for a general contract.

Contract Awarded.

RESIDENCE. Cost, \$20,000  
TURLOCK, Stanislaus Co., Cal.

One-story brick veneer residence.

Owner—Horace Kane, Turlock.

Architect—W. H. Weeks, 75 Post St., San Francisco.

Contractor—Swan Wakefield, Turlock.

Plans Prepared.

RESIDENCE. Cost, \$20,000  
UPLAND, Los Angeles Co., Cal. 19th

Street and Mountain Avenue.

Two-story and basement stone and plaster residence.

Owner—R. M. Eichelberger.

Architect—Hunt & Burns, 701 Laughlin Bldg., Los Angeles.

## BUILDING AND ENGINEERING NEWS

Contract Awarded.

RESIDENCE Cost, \$20,000  
LOS ANGELES, Cal. Irving Blvd. bet.  
4th and 5th Streets.

Two-story frame and plaster residence  
(12 rooms and 3 bathrooms).

Owner—Wilson E. Baker, 526 S-Serrano  
St., Los Angeles.

Architect & Contractor—S. M. Cooper,  
510 Merritt Bldg., Los Angeles.

Figures Being Taken.

RESIDENCE Cost, \$35,000  
BERKELEY, Alameda Co., Cal. Near  
Hotel Claremont (Oak Ridge Lots  
6 and 7).

Two-story and basement frame and  
plaster residence (10 rooms and 4  
bathrooms).

Owner—G. A. Mattern.  
Architects—Louis M. Upton and M.  
Latham, 354 Montgomery St., San  
Francisco.

Figures are being taken for a general  
contract, except heating and painting.

The excavating and grading con-  
tract has been awarded to The Oak-  
land Paving Co. at \$2,500.

Plans Being Prepared. To be Done by  
Day Work.

RESIDENCES Cost, \$4,750 each  
SAN FRANCISCO. Westwood Drive.  
Four one-story 5-room frame residences

Owner—A. G. Olsen.  
Architect—H. C. Baumann, 251 Kearny  
St., San Francisco.

Preliminary Plans Being Prepared.

RESIDENCE Cost, \$35,000  
BURLINGAME, San Mateo Co., Cal.  
Residence (type of construction not  
decided).

Owner—W. P. Fuller Jr.  
Architects—Ward & Blohme, 454 Cal-  
ifornia St., San Francisco.

Construction will not be started for  
several months, as Mr. Fuller is in  
Europe.

Sketches Being Prepared.

ALTERATIONS Cost, \$—  
SAN FRANCISCO. No. 2512 Pacific Ave.  
Alter residence.

Owner—Edward A. Van Bergen, Prem.  
Architect—Ward & Blohme, 454 Cal-  
ifornia St., San Francisco.

Preliminary Plans Being Prepared.

RESIDENCE, ETC. Cost, \$50,000  
SAN FRANCISCO. Ingleside Terrace.  
Two-story and basement frame and  
brick veneer residence and garage

Owner—H. O. Harrison.  
Architects—Ward & Blohme, 454 Cal-  
ifornia St., San Francisco.

Construction will be started in the  
Spring.

Plans Being Prepared.

RESIDENCE Cost, \$20,000  
WINTERS, Yolo Co., Cal.  
Two-story hollow tile residence.

Owner—Withheld.  
Architect—Lawrence Flagg Hyde, 2745  
26th Ave., Oakland.

Ready For Figures Next Week.

ADDITION COST, \$—  
OAKLAND, Alameda Co., Cal. Clara-  
mont District.

Two-story addition to present two-  
story frame residence (5 rooms and  
sleeping porch, also separate gar-  
age).

Owner—Mr. McDuffie, of Mason-Mc-  
Duffie Company.

Architect—Henry H. Gutterson, 278  
Post St., San Francisco.

Figures will be taken for a general  
contract.

Plans Being Prepared.

RESIDENCE Cost, \$7,500  
WOODLAND, Yolo Co., Cal.

One-story hollow tile residence.  
Owner—Withheld.

Architect—Lawrence Flagg Hyde, 2745  
26th Ave., Oakland.

## SCHOOLS

YUMA, Ariz.—The following bids  
were received by the Board of Trus-  
tees of Yuma grammar school district  
for the erection of a new grade school  
building: Edwards & Wildey Co., (1)  
tile building with pressed brick facing,  
\$206,000; (2) tile and cement plastered  
building, \$205,000; (3) concrete walls,  
plastered exterior, \$203,800. Tucker Co.  
(1) \$225,970; (2) \$217,715; (3) \$215,715.  
Wm. Simpson Co., (1) \$220,500; (2)  
\$219,000; (3) \$216,500. E. C. English (1)  
\$255,000; (2) \$220,000; (3) —. Thos.  
Haverty Co., submitted a bid of \$16,-  
450 for plumbing work and at \$26,800  
for the heating system. W. P. Mc-  
Arthur bid \$25,353 for the heating  
work. There being only \$150,000 avail-  
able for the building all bids were re-  
jected. The school trustees plan on  
calling an election immediately to vote  
on an issue of \$100,000 bonds, to pro-  
vide additional funds to cover the cost  
of the new building as originally  
planned, to purchase equipment and  
improve the school grounds. Norman  
F. Marsh, 211 Broadway Central Bldg.,  
Los Angeles, is the architect.

Contract Awarded.

SCHOOL Cost, \$35,717  
SEATTLE, Wash.  
Two-story brick combination grade and  
high school.

Owner—Maple Valley School District.  
Architect—Wm. Mallis, Lyon Bldg.,  
Seattle, Wash.

Contractor—O. A. Kuppler, 1018 Taylor  
Ave., Seattle.

Contract awarded to the Coffee  
Plumbing & Heating Co. of Tacoma  
for plumbing and heating at \$5,933.

Plans Prepared. Bonds Yet to be Voted.

SCHOOL Cost, \$50,000  
SAN RAFAEL, Marin Co., Cal. "B" St.  
Elementary school with auditorium  
(seating capacity of auditorium,  
1000).

Owner—City of San Rafael.  
Architect—Norman W. Sexton, 454 Cal-  
ifornia St., San Francisco.

NOTE—A date for a bond election  
will be set within the next few weeks.

Contract Awarded.

SCHOOL Cost, \$41,670  
NEAR HUNTINGTON PARK, Los An-  
geles Co., Cal.

One-story hollow tile school, 102x114.  
Owner—Fruitvale School District.

Architect—Henry Hasenburger, 697  
Chamber of Commerce Bldg., Los  
Angeles.

Contractor—Frank Hudson, 23rd St.,  
Santa Monica, Cal.  
(31765) 1st report Nov. 25, 1918.

Plans Being Prepared. Bonds of \$75,-

000 to be Sold by Santa Clara  
County Supervisors January 5th.  
SCHOOL Cost, \$—

CUPERTINO, Santa Clara Co., Cal.

Union High School Building.  
Owner—Cupertino Union High School  
District.

Architect—Chas. S. McKenzie, Bank of  
San Jose Bldg., San Jose.

Ready For Figures in About a Week.

SCHOOL Cost, \$40,000  
YREKA, Cal. Yreka Grammar School.  
One-story brick and concrete gram-  
mar school (8 rooms and an audi-  
torium).

Owner—Yreka School District.  
Architect—Henry C. Smith, Humboldt  
Bank Bldg., San Francisco.

Plans Being Prepared. Bonds Voted.

SCHOOL Cost, \$200,000  
BAKERSFIELD, Kern Co., Cal.

Fireproof high school.  
Owner—Kern County Union High  
School District.

Architects—Thos. B. Wiseman and  
Chas. H. Biggar, Morgan Bldg.,  
Bakersfield.

BIDS OPENED FOR CLOVIS SCHOOL.

CLOVIS, Fresno Co., Cal.—The fol-  
lowing bids were received December  
16th by the Clovis High School District  
for the construction of a two-story  
concrete high school building from  
plans prepared by Architect W. H.  
Weeks, 75 Post St., San Francisco.  
Bids were taken under advisement.

Concrete and Excavation.

Del Favero & Rasori, 110 Jessie  
St., San Francisco.....\$21,393  
McLeran & Peterson.....25,700

Masonry and Terra Cotta.  
A. Knowles.....37,550

Steel and Iron Work.  
A. Knowles.....\$980

Sartorius Co.....922  
Carpentry.

Del Favero & Rasori.....\$45,887  
McLeran & Peterson.....59,950

A. Knowles.....58,885  
Composition Flooring.

Fibrestone Roofing.....\$260  
Blackboards.

C. F. Weber & Co. (Hylop), \$1,896.90.  
Rucker Fuller Desk Co. (Beaver)  
\$1,086.96.

C. F. Weber & Co. (Slate), \$1,863.36.  
Rucker Fuller (Slate), \$1,863.36 and  
\$1,847.20.

Composition Roofing.

J. W. Bender Roofing Co.....\$1949  
Terra Cotta Roofing.

A. Knowles.....\$450  
Fibrestone Roofing Co.....600

Gladding, McBean.....725  
United Materials Co.....600—

Plastering

A. Knowles.....\$17,400 \$17,000  
Electric Work.

F. E. Newberry.....\$2,985  
Watts Electric Co.....3,900

Butte Elec. Equipment Co.....5,483  
Central States Elec. Co.....5,750

Plumbing.

F. W. Snook Co.....\$6,346  
Scott Co.....6,198

B. A. Newman.....7,947  
Robert Dalziel.....5,747

Sheet Metal Work.

A. Knowles.....\$1,950  
Robert Dalziel.....2,355

W. Heidt Cornice Works.....2,448  
Forderer Cornice Works.....2,487

Painting.

Schuty & Co.....\$8,910  
W. T. Baker.....5,655  
T. H. Bradbury.....3,320

Garnette & Chandler..... 6,200  
D. Zelinsky..... 5,450  
**Program Clocks.**  
Standard Electric Time Co.....\$1,430

## STORES AND OFFICES

General and Segregated Figures Being Taken.

**BANK AND OFFICES** Cost, \$500,000  
SAN FRANCISCO. NW Eddy & Powell Streets.

Six-story Class "A" bank and offices.  
Owner—Bank of Italy.  
Architects—Bliss & Faville, Balboa Bldg., San Francisco.  
The steel, grading and foundation contracts have been awarded.

Sketches Being Prepared.  
**STORE BUILDING** Cost, \$6,000  
SAN FRANCISCO.  
One-story frame store building.  
Owner—Withheld.  
Architect—A. M. Hardy, 212 8th Ave., San Francisco.

Sub-Figures Being Taken.  
**ADDITION** Cost, \$45,000  
PALO ALTO. Santa Clara Co., Cal.  
Two-story and basement Class "B" addition, 35x130, to department store.  
Owner—Jas. Frazer Dept. Store.  
Architect—Henry Shermund, Hearst Bldg., San Francisco.  
All work will be done by days work and sub-contracts and will start immediately after the holidays.

Plans Being Prepared.  
**STORES, ETC.** Cost, \$18,000  
TULARE, Tulare Co., Cal.  
Two-story brick stores and photo studio.  
Owner—O. D. Holmes, Tulare, Cal.  
Architect—J. R. Henderson, Tulare.

Plans Being Figured.  
**STORE & OFFICE BLDG** Cost, \$200,000  
LONG BEACH, Los Angeles Co., Cal.  
Four-story Class "A" reinforced concrete store and office building, 50x150  
Owner—Pickerell & Scott.  
Architect—Fred R. Dorn, 1233 Marsh-Strong Bldg., Los Angeles.

Preliminary Plans Being Prepared.  
**BAKERY, ETC.** Cost, \$60,000  
SAN FRANCISCO. Buchanan Street near Fillmore.  
One-story reinforced concrete or brick bakery and garage.  
Owner—Withheld.  
Architect—J. H. Powers, 460 Montgomery St., San Francisco.

Sub-Figures Being Taken.  
**STORE & LOFT BLDG.** Cost, \$—  
SAN FRANCISCO. Location Not Given  
Two-story and basement reinforced concrete store and loft building.  
Owner—York Realty Co. (H. H. Helbush), 75 Sutter St., San Francisco  
Architect—W. L. Schmölle, 40 Montgomery St., San Francisco.

Contract Awarded.  
**STORES** Cost, \$10,000  
MANTECA, San Joaquin Co., Cal. NE Center St. and Hogan Road.  
One-story brick stores, 50x100.  
Owner—Lucky McFall, Manteca.  
Architect—Not Given.  
Contractor—H. J. Ross, Manteca.

Contract Awarded.  
**DEPARTMENT STORE** Cost, \$300,000  
SAN DIEGO, Cal. Fifth and Broadway.  
Eight-story Class "A" reinforced concrete department store building.  
Owner—Holzwarner, Inc.  
Architect—John T. Vawter, San Diego.  
Contractor—Lange & Bergstrom, Sharon Bldg., San Francisco, and Timken Bldg., San Diego.

Contracts Awarded.  
**AUTO SALES BLDG.** Cost, \$17,000  
SAN FRANCISCO. S Post 137-6 — Van Ness Avenue.  
One-story and basement Class "C" auto sales building.  
Owner—Mary A. Ruggles.  
Architect—August G. Headman, Call Bldg., San Francisco.  
**Concrete Work** to De Luca.  
**Carpentry Work**—Andrew Nelson.  
**Iron Work**—Folsom Street Iron Works  
**Marble Work**—Vermont Marble Co.  
**Plaster**—F. W. Mecklenburg.  
**Sheet Metal Work**—Guilfooy Cornice Works.  
**Painting**—R. Zelinsky.  
**Electric Work**—City Protective Electric Company.

All Bids Rejected. Construction Postponed.  
**OFFICE BUILDING** Cost, \$100,000  
SAN FRANCISCO. N Pine Street, bet. Front and Davis, W. of Oceanic Building.  
Two-story and basement Class "A" office building (frame to be strong enough for 6 additional stories) 87½ foot frontage.  
Owner—Ames-Harris Neville Co., 100 Potrero Ave., San Francisco.  
Architect—J. R. Miller, Lick Bldg., San Francisco.  
NOTE:—Construction has been postponed indefinitely on account of bids being too high.

Contracts Awarded.  
**ALTERATIONS** Cost, \$20,000  
SAN FRANCISCO. No. 333 California Street.  
Extensive alterations to store.  
Owner—Traina & Sons.  
Architect—Alfred Kuhn, 833 Market St., San Francisco.  
**Carpentry Work** to G. E. Ahl.  
**Interior Wood Work**—Mullen Mfg. Co.  
**Marble Work**—Joseph Musto Sons—Keenan Co.  
**Plastering**—McGruer & Simpson.  
**Store Fronts**—Kawneer Co.  
**Sheet Metal Work**—J. A. Korell.  
**Glazing**—Hebenicht & Howlett, Inc.  
**Kilngstone Flooring**—Walter Dixon.  
**Painting and Interior Decorating**—Keefe & Co.  
**Sengila**—Coast Art Marble Co.  
**Electric Work**—Browne-Langlais Elec. Constr. Co.

Contract Awarded.  
**ALTERATIONS** Cost, \$3,250  
HANFORD, Kings Co., Cal. In Hanford Hotel Building.  
Alter for store. Interior partitions, electric work, fixtures, etc.  
Owner—J. C. Penny Co.  
Architect—None.  
Contractor—Brown & Denham, Hanford.

## THEATRES

Plans Being Prepared.  
**THEATRE** Cost, \$250,000  
OAKLAND, Alameda Co., Cal. Location Withheld for Present.  
Class "A" (theatre motion picture theatre (3000 seats).  
Owner—Kinema Theatre. Oliver Kehrein, Manager, Oakland.  
Architect—Withheld for Present.

## ENGINEERING

### BRIDGES, DAMS & HARBOR WORK

PHOENIX, Ariz.—State Engineer Thomas Maddock has taken up with the governor the matter of providing emergency funds to restore the Antelope Hill bridge across the Gila river and the highway bridge across the Agua Fria, washed out by recent floods. The former structure cost \$101,000 and the latter \$135,000. The Gila river has established a new channel half a mile west of Antelope Hill bridge.

FRESNO, Fresno Co., Cal.—The State Highway Commission has requested the Supervisors of Fresno County to take immediate steps providing for the construction of two bridges over Los Gatos Creek.

The sites of these proposed structures lay on the section between Coalinga and the Oil King school. The larger bridge is to be 370 feet in length and the smaller 100 feet in length. The latter is across Los Gatos wash.

Five other bridges on the lateral the county is asked to build. They are located as follows: across a tributary of Waltham Creek between No. 2 Associated Oil station and Parkfield, 30 feet in length; and four over

# Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,

231 Howard St.      San Francisco

Waltham Creek between Parkfield Junction and Coalinga, of the following lengths 80 feet, 150 feet, 100 feet and 170 feet.

**YUBA CITY, Sutter Co., Cal.**—George F. Maddock, General Manager of the Sutter Basin project in Reclamation District 1500, has urged the County Supervisors to construct certain bridges and roads to insure for Yuba City and other markets a share of the district's business.

**SANTA ROSA, Sonoma Co., Cal.**—The County Surveyor has been instructed to prepare plans and specifications for a new steel and reinforced concrete bridge over the Russian River at Healdsburg. W. W. Felt Jr. is County Clerk.

**LONG BEACH, Los Angeles Co., Cal.**—The harbor commission has agreed upon recommendations for improvements to Long Beach harbor that will cost more than \$1,000,000 and a bond issue will probably be asked. The proposed improvements include acquisition of additional land adjacent to harbor channels, provision for docks and warehouses, extension of jetties at the harbor entrance, and widening and deepening the channels and turning basin.

**RED BLUFF, Tehama Co., Cal.**—Bids will be received by H. G. Kuhn, County Clerk, up to January 13th, 10 A. M., for the construction of a bridge across Deer creek at a place that is known as the "Upper Deer Creek Crossing," in Supervisor district No. 5.

Certified check of 10% payable to the County Clerk must accompany each bid.

**SANTA ROSA, Sonoma Co., Cal.**—The County Supervisors have awarded a contract to W. L. Proctor, 1000 Spring St., Santa Rosa, for the construction of a reinforced concrete bridge over Copeland Creek on the Snyder Lane Road, 1.9 miles north of Cotati station, at \$2,090. W. W. Felt Jr. is County Clerk.

**RED BLUFF, Tehama Co., Cal.**—The County Supervisors, H. G. Kuhn, County Clerk, has awarded contracts to Boardwell & Zimmerman, for the construction of the bridge on the Corning road at \$1,000 and the bridge on the Foster road at \$1,025.

**FRESNO, Fresno Co., Cal.**—Jap E. Mitchell, Fresno, has been awarded a contract by the County Supervisors, D. M. Barnwell, County Clerk, for the construction of an 80-foot bridge across the Fowler-Switch canal on Sanger-Academy avenue at \$6,036.87 or \$31.98 per cubic yard of concrete. Other bids were:

Smith & Wheeler, \$34.40 per cubic yard of concrete, and Thompson Bros., \$35 per cubic yard.

On a bid of \$31.30 per cubic yard, the contract for the erection of the bridge over the C.-K. canal two miles south of Sanger, was awarded to Smith & Wheeler. Other bids received were: J. E. Mitchell, \$32.49, or \$4,646.40 for the structure complete, and Thompson Bros., \$35 per cubic yard.

**CHICO, Butte Co., Cal.**—The enlargement of the Neviss dam of the Great Western Power Company, Lake

Almanor reservoir, Plumas County, which supplies the Western Canal Company with water, is contemplated as the result of demands for water made by Sacramento Valley farmers and rice growers.

This is according to H. F. Cauthard, Manager of the canal company, who states that the present demand for irrigation water will bring a widening of the canal lines of the company and raising of the Big Meadows dam.

**EUREKA, Humboldt Co., Cal.**—The Mercer-Fraser Co., Eureka, has been awarded a contract by the Humboldt County Supervisors for the construction of the two steel bridges across the Mattole river at Thorn and Honeydew, the bid for both structures being \$55,200.

**LOS ANGELES, Cal.**—The following bids were received by the Board of Supervisors of Los Angeles County Flood Control District for constructing three bridges over the silt diversion channel at Long Beach, exclusive of steel, bids for which are being held under advisement:

Ross Construction Co., Glendale—Anaheim street bridge, 40-ft. spans: Item 1, driving about 203 creosoted piles, \$16.50 each, \$3349.50; Item 2, furnishing about 65,750 ft. creosoted lumber, \$22 per M. B. M., \$1446.50; total bid, \$4796. Anaheim street bridge, 25-ft. span: Item 1, driving about 104 piles, \$30 each, \$3120; Item 2, for about 39,400 ft. creosoted lumber, \$30 per M. ft. B. M., \$1182; Item 3, for about 111,700 ft. untreated lumber, \$15 per M. ft. B. M., \$1275.50; total bid, \$5477.50.

Seventh Street Bridge—25-ft. spans, Item 1, for driving about 397 piles at \$15 each, \$5955; Item 2, for furnishing about 182,000 ft. creosoted lumber, at \$22 per M. ft. B. M., \$4036, total bid, \$9991. Seventh street bridge, 41-ft. spans: Item 1 for driving about 534 piles, \$15 each, \$8015; Item 2, for furnishing about 81,000 ft. creosoted lumber, \$22 per M. ft. B. M., \$1782; total bid, \$9797.

Ocean Blvd. Bridge—For driving about 436 creosoted piles, \$15 each, \$6,540; Item 2, for furnishing about 142,000 ft. creosoted lumber, \$22 per M. ft. B. M., \$3116; total bid, \$9656.

Mercereau Bridge & Construction Co.—Anaheim Street bridge, 40-ft. spans: Item 1, \$18 each, \$3654; Item 2, \$32.50 per M. ft. B. M., \$2136.87, total bid, \$5,790.87. Anaheim street bridge 25-ft. span: Item 1, \$13.60 each, \$1414.40; Item 2, \$25 per M. ft. B. M., \$985; Item 3, \$18.20 per M. Ft., \$2032.94; total bid, \$4,432.34.

United Dredging Co., submitted a proposal for driving piles on Seventh St., Anaheim St., and Ocean Blvd. bridges of 18c per lin. ft. for driving piles, plus 50c each for cutting of piles; for placing creosoted lumber on Seventh St., Anaheim St., and Ocean Blvd. bridges, at \$22.50 per M. ft. B. M.; for placing untreated lumber at \$15 per M. ft. B. M. The bids were referred to the county flood control engineer.

**SAN JOSE, Santa Clara Co., Cal.**—The County Supervisors, Henry A. Pfister, County Clerk, are contemplating the erection of a new structure to replace the present Gest bridge.

**SAN FRANCISCO.**—The Board of Public Works has awarded a contract to Healy-Tibbitts Construction Co., 9 Main street, for making rock fill to approach at Islais Creek bridge and has requested the Supervisors to appropriate \$4,000 to cover the cost of the contract.

**CITY BIDS OPENED.**  
**SAN FRANCISCO.**—The following bids were received by the Board of Public Works for Municipal improvements:

Rock Fill to Approaches to Islais Creek Bridge.  
Healy-Tibbitts Constr. Co. .... \$3,528  
Daniel Contracting Co. .... 3,744  
Improvement of East Half of Tenth Avenue from South Line of Ortega Street 125 feet Southerly.

O. G. Ritchie ..... \$2,012.03  
Cleaning and Painting Bridges at Third and Channel Streets, Islais Creek and Third St., and San Jose and Mt. Vernon Aves.  
D. Zelinsky & Sons, Item A, \$6,500; Item B, \$5,300; Item C, \$3,433. Alternative Item A, \$6,700; Item B, \$5,500; Item C, \$3,700; Total, \$15,900.  
I. R. Kissel (A) \$6,000; (B) \$5,053; (C) \$3,200; Total, \$13,753.

Decker & Newton (A) \$5,906; (B) \$3,543; (C) \$2,362. Alternative, (A) \$5,315; (B) \$3,189; (C) \$2,126; Total, \$10,631.25.

**BENICIA, Solano Co., Cal.**—A committee has been appointed by the Mayor of Benicia to take up the matter of filling in swamp lands for factory sites. It is proposed to build a bulkhead line and then fill in above seepage water. J. C. McAravy is City Clerk of Benicia.

**BALLARD, Wash.**—Chas. A. D. Young, Mechanical and Electrical Engineer, 216 Lumber Exchange Bldg., Seattle, has been commissioned by the United States Government to prepare plans and specifications for a \$400,000 emergency dam for the Lake Washington Canal locks at Ballard.

The dam will be in the form of a swing bridge carrying movable wickets and will be of steel. It will be operated by electricity.

This structure is included in the recommendations made to Congress by the rivers and harbors committees.

**PHOENIX, Ariz.**—F. L. Sellow, former consulting engineer for the State of Arizona, has submitted to the State Loan Board an estimate of the cost of completing the Lyman dam on the Little Colorado river near St. John, placing it at \$134,000. Sellow is said to oppose the Board's proposition to complete the work by contract instead of by force account.

**U. S. ENGINEER OFFICE, 401 Custom House, San Francisco, Cal.**—Sealed proposals for furnishing stone for jetty construction at Humboldt Bay, Cal., will be received here until 11 A. M., January 5, 1920, and then opened. Information on application.

## IRRIGATION PROJECTS

**SAN FRANCISCO.**—The following applications have been filed with the State Water Commission, Cal. Bldg., for permits to appropriate water. (Number referred to at end of each paragraph)

is necessary in securing additional information).

The Thomas F. Masterson Estate, Callahan, Siskiyou County, 2½ cubic feet per second from E. Fork Scott River, Siskiyou County, for agricultural purposes on 100 acres. Diversion works: Main ditch about 2 miles long and loose rock and brush dam 2 feet high, 20 feet long on top and 20 feet long at bottom. 1492.

A. A. Beatty and W. F. Beal, Brawley, 15 cubic feet per second from Coyote Creek, San Diego County, for reclamation of arid lands. Diversion works consist of ditch and pipe line 3½ miles long, and a dam 7 feet high, 46 ft. x 216 ft. on top and 46 ft. x 216 ft. on bottom constructed of loose rock and gravel with wasteway around dam. Estimated cost, \$3500. (This is an application for certificate fixing time of completion of appropriation of water initiated prior to December 19, 1914, under Sec. 1415 Civil Code. It is proposed to complete application of water for proposed use on or before July 1, 1921). 1493.

Jas. William Schielke, Burnt Ranch, Trinity County, 40 cubic feet per second from New River, Trinity County, tributary to Trinity River for hydraulic mining purposes. Water is to be diverted by means of a flume 1½ miles long, 22' high, 68' long on top and 42' long at bottom constructed of timber. Estimated cost of proposed works \$10,000. 1495.

J. B. High and J. W. Schmitz, for proposed Madera Irrigation District, Madera, 250 cubic feet per second direct diversion and 150,000 acre feet per annum to be stored in waters of Fresno River, Madera County, for irrigation of land in proposed Madera Irrigation District. Applicant allowed to February 1, 1920, to file maps. 1496.

Lloyd McAulay, Crows Landing, 500 cubic feet per second from San Joaquin River, Fresno, Merced and Stanislaus Counties, for irrigation of proposed district to be organized under the "Wright Law." Applicant allowed to January 1, 1920, to file maps. 1500.

Leslie H. and Nora G. Silvester, Glenburn, Shasta County, 3 cubic feet per second of waters of Fall River, Shasta County, tributary of Pitt River, for irrigation of 88 acres. 1503.

Egbert J. Gates, South Pasadena, 125 cubic feet per second from San Antonio River, Calaveras County, tributary of Calaveras River, for placer mining and milling purposes. Amount of water to be stored 10,000 acre feet. Water is to be diverted by means of "Frisco Ditch." Applicant allowed to May 1, 1920, to complete application. 1506.

Egbert J. Gates, South Pasadena, 100,000 acre feet per annum of waters of South Fork Calaveras River and its tributaries, in Calaveras County, tributary to Calaveras River, for irrigation of 50,000 acres. Amount of water to be stored 100,000 acre feet. Applicant allowed to May 1, 1920, to file maps. 1507.

R. G. McDonald, Mina, Nevada, 300 cubic feet per second from West Walker River, Mono County, tributary to Walker River, for generation of electric power. Amount of water to be stored 75,000 and 20,000 acre feet. Total amount of power to be developed approximately 30,000 T.

H. P. Diversion to be by means of a pipe line about 10 miles long, and a dam 150' and 75' high, 1600' and 500' long on top and 200' and 200' long at bottom, with either multiple arches or earth fill gravity type. Two reservoirs contemplated, one at Pickle Meadows and one at highway bridge to store water from East Branch. Estimated cost proposed work \$4,500,000. Applicant allowed to December 15, 1919, to file maps. 1508.

Scott McArthur, McArthur, Shasta County, 200 cubic feet per second from E. Fork of Tule River, Shasta County, tributary of Fall River, for generation of power. Total amount of power to be developed 1363 T. H. P. Diversion works consist of a main canal 4 miles long with timber headgate with clear opening 42' wide x 6' deep, controlled by horizontal flashboards supported by horizontal flashboards supported on timber vents. Estimated cost of proposed works \$75,000. Applicant allowed 60 days from December 14, 1919, to file maps. 1510.

Scott McArthur, McArthur, Shasta County, 100 cubic feet per second from Tule River, Shasta County, tributary of Fall River, for irrigation of 8,000 acres. Diversion works consist of main canal 4½ miles long with timber headgate with a single opening 25 feet wide, 8' deep, controlled by "Vertical" flashboards. Estimated cost of proposed works \$160,000. 1511.

F. G. Athearn, Berkeley, for proposed Medano Irrigation District, 60,000 acre feet per annum for Chowchilla River, in Madera, Mariposa and Merced Counties, tributary to San Joaquin River, for agricultural purposes on 13,560 acres. Total amount of water to be stored 60,000 acre feet. Water is to be diverted into a ditch 3.18 miles long over a concrete dam 15' high, 317' long on top and 40' long at bottom, with wasteway over dam. Estimated cost of proposed works \$400,000. Applicant allowed 60 days from November 14, 1919, to file maps. 1513.

Luther Hill, Independence, 1125 cubic feet per second from Sawmill Creek, Inyo County, tributary of Owens River, for generating electric power. Total amount of power to be developed 424 T. H. P. Diversion works consist of a pipe line 0.5 miles long and a concrete dam 6' high, 12' long on top and 6' long at bottom. Estimated cost of proposed works \$20,000. Applicant allowed 60 days from November 20, 1919, to file maps. 1517.

Finnell Land Co., San Francisco, 50 cubic feet per second from Elder Creek, Tehama County, tributary of Sacramento River, for irrigation of 2000 acres. Diversion to be by means of main ditch 2 miles long and a dam 4' high, 125' long on top and 100' long at bottom. Estimated cost of proposed works \$15,000. Applicant allowed 90 days from November 20, 1919, to file maps. 1521.

George Swanson, Sacramento, 45 cubic feet per second from Sacramento River, Yolo County, for agricultural purposes on 2500 acres. Water will be diverted by means of a main ditch 3 miles long and a 24 inch centrifugal pump. Estimated cost of proposed works \$20,000. Applicant allowed 30 days from November 19, 1919, to file maps. 1524.

C. M. Wooster, San Francisco, 150,000 to 200,000 acre ft. to be impounded or waters of Putah Creek, Lake, Napa and Sonoma Counties, tributary to Sacramento River, for irrigation of 50,000 acres. Application incomplete and applicant allowed 60 days from November 21, 1919, to file maps. 1530.

R. V. Meikle, for Turlock Irrigation District, Turlock, 4000 cubic feet per second from Tuolumne River, Tuolumne Co., for power purposes. Total amount of power to be developed 45,000 T. H. P. Amount of water to be stored 600,000 acre feet. Diversion works consist of concrete dam 253' high, 930' long on top and 100' long at bottom. Estimated cost of proposed works \$1,000,000. 1532.

J. F. Baker, Marysville, 2.5 cubic feet per second from Indian Creek, Plumas County, tributary of N. Fork of Feather River, for placer mining and mill purposes. Diversion works consist of ditch 2 miles long and an earth and rock fill dam 4' high, 25' long on top and 20' long at bottom. 1536.

TRACY, San Joaquin Co., Cal.—Steps are being taken by the Directors of the West Side Irrigation District for the inclusion of about 4000 acres of land lying above and south of the present district.

FALON, Nevada.—Preparations for an election to vote on the question of forming the Fallon Drainage District are being made here. J. F. Richardson, manager of the Newlands' Reclamation Project, is interested in the work.

WILLOWS, Glenn Co., Cal.—T. W. Harlan and Thomas Sayer, Willows, have been awarded a contract by the Mallon and Belvins Irrigation District for building the main canal and laterals of the project which will water 10,000 acres of land in the vicinity of Williams, Colusa County.

The water will be pumped from the Sacramento River at Grimes.

MADERA, Madera Co., Cal.—The Board of Supervisors has set January 2nd, 1920, as the date to decide the question of forming the proposed Madera Irrigation District. The Board has allowed all petitions for inclusion of acreage into the district, amounting to 40,000 acres. This will increase the size of the proposed district to over 350,000 acres. The land included is mostly in the Chowchilla district, with 18 sections in Merced county.

BYRON, Contra Costa Co., Cal.—The election held to decide whether the 18,000-acre Bryon-Bethany Irrigation District should be organized under the Bridgford act, carried.

Water for the great project is to be taken from Italian canal, a few miles southeast of the town of Byron.

## LIGHTING SYSTEMS

VALE, Ore.—January 13th is the date set to vote bonds of \$350,000 for the completion of the Warm Springs Irrigation Project.

The installation of a number of pumping plants, several miles of additional lateral canals, the purchase

of lands under the reservoir and the many finishing touches of getting the project into working order must yet be paid for.

## MACHINERY

SAN JOSE, Santa Clara Co., Cal.—Bids will be received by Henry A. Pfister, County Clerk, up to January 5th, 10 A. M., for the purchase of two Kelly-Springfield Steam Road Rollers to be sold at public auction on terms 10% cash, balance on delivery.

## STREET MACHINERY BIDS WANTED

RENO, Nevada.—Bids will be received up to December 22nd, 8 P. M., by James J. Burke, City Clerk, for furnishing and delivering to the City of Reno one motor tractor to be of the track laying type and capable of developing from 15 to 30 horse power on the drawbar.

On January 12th, 8 P. M., bids will be received by City Clerk Burke for the purchase of a traveling concrete mixer of 12 cu. ft. capacity, f. o. b. Reno.

PHOENIX, Ariz.—Until 10 A. M., December 31, bids will be received by the City Clerk for one motor driven street sweeper equipped with 4 flushing nozzles, 2 sprinkling nozzles, auxiliary engine and centrifugal pump in accordance with specifications on file at the office of the Superintendent of Streets. Certified check for 5% required. V. A. Thompson, City Manager.

CRESCENT CITY, Del Norte Co., Cal.—The County Supervisors, J. L. Lenz, County Clerk, have authorized the purchase of a Duplex truck from Bruce M. Aurandt for use on the county highways. The truck will cost \$1,800.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

RIVERSIDE, Riverside Co., Cal.—The County Supervisors are calling for bids for the construction of about 1 1/4 miles of oil macadam road 5 inches thick and 9 feet wide, with turnouts every 500 ft., at Indio. A. C. Fulmor, County Surveyor.

A resolution of intention has been adopted to construct about 12 1/2 miles of concrete road from Thermal to Mecca making a connection with the State highway. Bids will be called for on this work early in the new year.

STOCKTON, San Joaquin Co., Cal.—The State Railroad Commission has granted permission to the San Joaquin County Supervisors to construct a public crossing over the tracks of the Santa Fe, about a mile and a half NW of Escalon.

SANTA ROSA, Sonoma Co., Cal.—Bids for the construction of a portion of the county road known as the Petaluma-Sonoma highway, 7.20 miles in length have been taken under advisement by the County Supervisors until a report from the County Engineer is received. W. W. Felt Jr., is County Clerk.

RENO, Nevada.—The City Commissioners have rejected the petition of property owners asking the extension of Sierra street from First street to

the Truckee River as it would necessitate an expenditure of approximately \$66,000.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors have awarded the following contracts for furnishing and delivering materials for use on the county highway system:

California Building Material Co., 38,237 tons sand and 54,491 tons gravel, \$78,818.80.

Blake Bros., 19,655 tons rock, \$19,655.  
Natomas Co., 10,000 tons rock, \$10,000

SAN DIEGO, San Diego Co., Cal.—R. M. Morton, Chief Engineer of the Sacramento County Highway Commission, has been chosen to build the new highway system of San Diego, funds for which were made available under the recently voted bond issue of \$2,500,000. The highways will be 18 feet wide and of concrete 6 inches thick.

HANFORD, Kings Co., Cal.—A petition has been received by the County Supervisors asking the improvement of the Stringtown road, a pioneer thoroughfare in Wings County. The matter was referred to Supervisor Johnson of that district for report.

EUREKA, Humboldt Co., Cal.—The County Supervisors have rejected bids received for the construction of 3.5 miles of the Lord-Ellis road as being too high.

John McIntire and Charles Marsh bid \$11,230 on the section of 2.81 miles from the Bald Mountain-Hoopa road to Green Point, and G. M. Moore bid \$17,575 on the same section plus a section along the Hoopa road, making 3.9 together.

It is probable that new bids will be taken for the work. J. P. Wunderlich is City Clerk.

WILLOWS, Glenn Co., Cal.—A joint committee of the Willows Chamber of Commerce and the Butte City District Club has been appointed to confer with the Oroville Chamber of Commerce and arrange for a joint meeting of the three organizations in behalf of the early completion of the Willows-Oroville highway.

DECOTO, Alameda Co., Cal.—The Railroad Commission has authorized the Citizens Water Company of Niles to issue \$10,000 of stock and borrow \$5,000 from the Bank of Centerville, the funds to be expended in extending the Niles water system into the town of Decoto.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council has passed resolution providing for the draining of the Morrissey-Laveaga district and for the construction of a 6-inch sewer in Fourth avenue. S. A. Evans is City Clerk.

PHOENIX, Ariz.—Until 2 P. M., January 12, bids will be received by the Maricopa County highway commission, No. 5 N. Seventeenth Ave., for constructing 278 miles of highways the authorized road program of the county. Plans and specifications of the different projects may be obtained from the highway commission on payment of \$5. Specifications include roads of cement, concrete, asphaltic concrete, and

crushed rock with asphaltic concrete. Certified check for 5% required. A. F. Jones, Secretary. R. C. Perkins, highway engineer.

COALINGA, Fresno Co., Cal.—The City Trustees have awarded a contract to J. C. Cheney and W. J. Ochs of Coalinga on a cost plus basis for paving Elm avenue extension, the estimated cost of which is \$10,200. The contractors will receive \$1,050 on completion of the work.

The following bids were received for the work:

J. G. Donovan, Los Angeles.....\$13,457  
J. H. Vaughn, Hanford.....\$2226  
Claude T. Walker is City Clerk.

ELSINORE, Riverside Co., Cal.—Paul E. Kressley, Newport Beach, consulting engineer, has been retained by the City Trustees to prepare plans and specifications and supervise the paving of city streets at an estimated cost of about \$50,000. A 5-in. concrete pavement not less than 18 ft. wide, will be laid on portions of Main and Spring Sts., and Sumner and Graham Aves. between the north and west city limits.

NAPA, Napa Co., Cal.—The Napa City Council has called a special meeting to consider the raising of funds for paving the State Highway across the city.

The paving of from twelve to fourteen blocks of thoroughfares in the city would be required to connect with the pavement built by the State to the southern and northern city limits.

MERCED, Merced Co., Cal.—The County Supervisors have instructed A. E. Cowell, County Highway Engineer, to prepare plans and specifications for paving a portion of Third street and a portion of C street in the Town of Livingston. P. J. Thornton is County Clerk.

MODESTO, Stanislaus Co., Cal.—The Standard Paving Co., Modesto, has been awarded a contract by the Board of Education, Kathleen G. Prewett, Secretary, for paving H street fronting the High School site, they being the only bidder at 18 1/2 cents per square foot.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has passed resolutions of intention providing for the improvement of Merced street from the SW line of "G" street to the SW line of "H" street by grading; constructing cement concrete gutters and curbs; corrugated metal culverts with manhole and connection with storms sewer; artificial stone sidewalks and paving with a 4-inch cement concrete base and a Warrenite-Bitulithic wearing surface 1 1/2 inches thick.

A resolution has also been passed for similar improvements in Kern street from the NE line of "G" street to the SW line of "H" street.

SANTA ROSA, Sonoma Co., Cal.—Bids received by the County Supervisors for the construction of the Occidental road and for construction of Section B of the Petaluma-Sonoma road have been rejected as being too high.

W. W. Felt Jr., is County Clerk and Lloyd Aldrich, County Engineer.

SAN BRUNO, San Mateo Co., Cal.—The City Trustees have declared their intention of providing a municipal water supply for the city.

SACRAMENTO, Cal.—Rights-of-way have been secured by the City Commissioners, M. J. Desmond, City Clerk, for the main lateral of the sewer in the district, north and south of Folsom boulevard from Thirtieth to Forty-fourth street.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Two bids were received by the County Supervisors for furnishing labor and materials for erecting fences along the Cholame Lateral have been rejected and the work ordered done by day labor. The bids were:

Theo. M. Maino, labor and materials, \$62,688.50.

John Jensen, labor only, \$2,300.

SANTA ROSA, Sonoma Co., Cal.—Bids will be received up to January 14th, 12 M., by County Clerk W. W. Felt, Jr., for furnishing and delivering to the County of Sonoma 41,050 barrels, more or less, cement which shall conform to the standard specifications for Portland cement, f. o. b. Petaluma. Certified check of \$2,500 must accompany each bid and to be made payable to Chairman of the Board of Supervisors.

Separate bids will be received on the same date at 1:30 P. M., for 100 feet of 12", 100 feet of 15", 300 feet of 18", 400 feet of 24", 200 feet of 30" and 100 feet of 36" Standard Corrugated Metal Culvert Pipe, to have reinforced ends, and in lengths of approximately 28 feet, and to be delivered f. o. b. Petaluma, in quantities as required.

Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

LOS ANGELES, Los Angeles Co., Cal.—Geo. H. Oswald, O. T. Johnson Bldg., submitted the lowest bid at approximately \$14,270 for paving Maple Ave. between Jefferson St. and Woodlawn Ave. in Maple Ave. and Woodlawn Ave. Improvement District.

GRIDLEY, Butte Co., Cal.—The Railroad Commission is considering the question of the Sutter Butte Canal Company, operating at Gridley and Biggs, whether or not it shall make extensions to its Crocker lateral and charge the cost against those directly benefited by the extension or assess the entire district. A decision is expected December 22nd.

TOMBSTONE, Ariz.—Until 2 P. M., January 19, 1920, bids will be received by Thomas Maddock, State Engineer, at the office of the Cochise County Board of Supervisors, Tombstone, for constructing Section D of the Benson-Vail highway extending eastward from the west line of Cochise County, approximately 4 miles. The contract will involve approximately 13,000 cu. yds. excavation and incidental drainage structures. Plans may be obtained from the state engineer's office at Phoenix on deposit of \$5. Certified check for 5% required.

LOS ANGELES, Los Angeles Co., Cal.—John Raich, 696 Twelfth St., San Pedro, was awarded the contract on

December 16 for constructing clay pipe sewers in Gulf avenue between B and Anaheim streets, and other streets in the Gulf Avenue Sewer District, Wilmington, on his bid of \$232,560.18.

MARTINEZ, Contra Costa Co., Cal.—Up to January 5th, 11 A. M., bids will be received by J. H. Wells, County Clerk, for furnishing to the County of Contra Costa, hydraulic Portland Cement, for use on the county highway system.

Bids will be received by County Clerk Wells up to January 20th, 1920, 11 A. M., for furnishing to the County of Contra Costa, corrugated iron culvert pipe.

The following awards have been made by the Advisory Board of the Department of Engineering on December 15, 1919:

To Wright & Doran, San Diego, Cal.

For the construction of a section of State highway in the county of San Diego, Division VII, Route 12, Section F (Between Casbere Ranch and Tecate Divide) about 13.8 miles. Contract price, \$168,367.

Engineer's Estimate, \$194,157.

To M. D. Goodbody, San Diego, Cal.

For the construction of a section of State highway in San Diego county, Division VII, Route 12, Section E, (Between Pine Valley and Casbere Ranch) about 6.6 miles. Contract Price, \$55,827.

Engineer's Estimate, \$65,060.45.

To Palmer & McBryde, San Francisco, Cal.

For the construction of a section of State highway in Del Norte County, Division I, Route 1, Section B, (Between Cushion Creek and Crescent City) about 4 miles. Contract price, \$49,037.

Engineer's Estimate, \$32,537.

GRIDLEY, Butte Co., Cal.—Bids will be received up to January 5th, 8 P. M., by City Clerk James Ownby for the improvement of several streets provided for under Resolution of Intention No. 234. Work will consist of paving from curb to curb with a Portland cement concrete base 4 inches thick and a Warrenite bitulithic wearing surface, 1½ inches thick; cement concrete curbs and gutters; corrugated iron and cement pipe culverts; monument boxes, etc.

Certified check of 10% payable to City of Gridley must accompany each bid.

SALINAS, Monterey Co., Cal.—The Mayor's Advisory Committee at the last meeting of the City Council reported that the reclamation ditch bridge was in good condition, but suggested that a concrete box culvert, 75 feet in length be built at a cost of about \$6,000. The City Engineer was directed to investigate the recommendation.

Reports were read regarding the proposed storm water and sanitary sewer system. It is planned to drain the storm waters through Alisal slough, through the reclamation ditch along the Pajaro valley railroad and out through Main street. The City Engineer was instructed to gather further information regarding this work and submit a report.

LOS ANGELES, Los Angeles Co., Cal.—Algo. R. Curtis, 2410 E. Twenty-sixth

St., submitted the lowest bid at approximately \$139,200 for paving and constructing storm and sanitary sewers in Temple street between Vermont avenue and Wilton Place and portions of other streets in Temple Street Improvement District. His bid is about \$2000 under that of Fairchild-Gilmer-Wilton Co., the next lowest bidder. Other bidders were: Los Angeles Paving Co. and Bryant & Austin, Inc.

NAPA, Napa Co., Cal.—The Pratt Building Material Co., Hearst Bldg., San Francisco, has been awarded a contract by the County Supervisors for furnishing and delivering sand to be used in county highway construction, the bid being \$34,000.

SACRAMENTO, Cal.—Plans for the improvement of several streets are being outlined by the City Street Department. The early improvement of K street from Twenty-first to Twenty-eighth, Q from Tenth to Twenty-eighth and the latter street from R to Y.

BAKERSFIELD, Kern Co., Cal.—Rogers Bros. Co., 350 Merrick St., Los Angeles, submitted the lowest bid at \$369,000 and was awarded the contract for constructing a concrete pavement 6 inches thick and 15 feet wide from Fellows to McKittrick, 10,683 miles, involving 29,231 cu. yds. excavation; 54,499 lin. ft. shaping roadbed; 1,929,209 sq. ft. 6-in. concrete paving; 258.5 ft. 12-in.; 131 ft. 18-inch galvanized corrugated iron culverts; 91 cu. yds. concrete end walls for culverts and retaining wall, and 2187 lbs. reinforcing steel. Engineer's estimate, \$539,999.13. Paul E. Kressley, Engineer.

NAPA, Napa Co., Cal.—Bids will be received by James A. Daly, County Clerk, up to December 30th, 10:30 A. M., for unloading sand from the cars at siding of the Southern Pacific Company at points designated in the specifications.

Separate bids will be received on the same date for spreading the gravel on three miles of road known as the Back Road on the easterly side of Napa Valley, from points between Yountville and Rutherford.

Certified check of 10% must accompany each bid.

UPLAND, San Bernardino Co., Cal.—The City Trustees on December 8 adopted a resolution of intention to improve Euclid avenue between Tenth and Twenty-fourth streets, by paving the east roadway with 4-in. concrete 30 ft. wide, surfacing the west roadway with ½-in. oil and rock screenings, grading the park space in center of street and constructing cement curb and concrete culverts. Work will be done under Improvement Act of 1911. A contract for this improvement was recently awarded to W. C. Cline of Upland, at \$96,465, but an error in the proceedings made it necessary to cancel the contract. P. C. Froedhe, City Engineer.

LOS ANGELES, Los Angeles Co., Cal.—D. L. Gaskill, 228 Hermosa Ave., Long Beach, submitted the lowest bid at \$114,730 for grading roadways and constructing 58x12-in. cement curb and 3½-in. by 3 and 5 ft. walks and 5-in.

by 3 and 5 ft. walks in 8.5 miles of streets in Graham, known as Road District Improvement No. 161. The work includes 19,200 cu. yds. excavation; 88,450 ft. cement curb; 438,100 sq. ft. cement walks. Other bids received by the Board of Supervisors were: E. Schelling, \$127,000; Chas. D. Soteras, \$133,400, and Tryon & Brain, \$134,497. The bids were referred to the County Road Department.

NAPA, Napa Co., Cal.—The County Supervisors have received a petition asking that a new road be built across the creek connecting up the Union Station road with the Browns Valley road at a point near the Ornduff property near Napa.

The work will require the construction of a bridge. County Engineer Ball has been instructed to submit estimates for the proposed improvements.

NAPA, Napa Co., Cal.—Bids will be received up to December 30th, 10:30 A. M., by County Clerk James A. Daly, for the construction of a concrete spillway for protection of sidewalk between Napa and the Napa State Hospital. Certified check of 10% must accompany each bid.

SANTA ROSA, Sonoma Co., Cal.—The City Council has ordered the construction of cement sidewalks along the entire length of West Eighth Street from the Northwestern Pacific Railway tracks on both sides of the streets to the city limits at Hudspeth street and Bosley street from Barnett avenue to Sebastopol avenue.

The Council has approved plans and adopted a resolution of intention providing for the paving of Humboldt street from Johnson to Benton and Tenth street from Mendocino to B street.

BAY POINT, Contra Costa Co., Cal.—The Bay Point and Clayton Railroad has been authorized by the Railroad Commission to construct an overhead crossing over a county highway near Bay Point.

SAN RAFAEL, Marin Co., Cal.—Petitions have been received by the City Council from residents in the Picnic Valley District asking the construction of cement concrete sidewalks in Woodland and Linden Lanes. The matter has been referred to the City Engineer for report.

LONG BEACH, Los Angeles Co., Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$27,957.55 for paving Magnolia avenue between Fourth and Tenth streets, involving 112,935 sq. ft. 4-in. concrete base with 2-in. asphalt surface at 22.4c sq. ft., 82 ft. curb at 50c ft., 165 sq. ft. concrete gutter at 25c ft., 2377 sq. ft. cement sidewalk at 18c ft., and 5 corrugated iron and concrete culverts to cost \$2150. No other bids were received.

SANTA ROSA, Sonoma Co., Cal.—The Supervisors have ordered the purchase of two modern steam shovels to be used in construction of county highways. The shovels will be used in addition to the one the Board will rent from the Bellevue-Wilfred Drainage District. W. W. Felt Jr., is County Clerk and

Lloyd Aldrich, County Highway Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Citizens of Corralitos are contemplating the graveling of roads in their district and will hold a meeting in the near future to discuss the proposition. County Supervisor C. B. Lewis of the Corralitos District is interested in the work.

SAN JOSE, Santa Clara Co., Cal.—County Surveyor Irving L. Ryder has been instructed to prepare preliminary surveys for the proposed Big Basin Road from Long Bridge to the ridge of the Santa Cruz mountains to connect with the State Highway at Carmichael Summit. This work was authorized by the Supervisors last Spring. It is planned to have construction started before March, 1920. Henry A. Pfister is County Clerk.

EL CENTRO, Imperial Co., Cal.—Chairman F. S. Lack of the Imperial Highway Commission states that bids will be taken on three types of paving for the roads to be improved under the \$1,500,000 bond issue—a concrete pavement, unsurfaced, concrete base with asphalt surface and asphaltic concrete. J. J. Jessop has been appointed consulting highway engineer by the commission. It is expected bids will be called for soon on several contracts.

CRESCENT CITY, Del Norte Co., Cal.—Antone V. Marcell submitted the only bid to the County Supervisors for clearing the proposed Elk Valley Cross Road right of way at \$2,500. The bid was rejected and the work ordered done by day labor under the supervision of County Engineer G. L. Lewis.

SAN FRANCISCO.—The Board of VALLEJO, Solano Co., Cal.—Following the notification of the State Board of Health that conditions of the Sonoma street must be remedied, the City Council is considering the construction of a septic tank to care for the discharge. Alf. E. Edgcombe is City Clerk.

SEATTLE, Wash.—The Board of Public Works has awarded a contract to Sweeney & Gallucci of Tacoma, for the construction of the Alki District trunk sewer system in 63rd avenue S. W. and other streets in that vicinity, the bid being \$182,000.

RENO, Nevada.—Bids will be received by the City Clerk up to January 12th, 1920, 6 P. M., for furnishing and delivering a concrete mixer having a capacity of twelve cubic feet, for use in the improvement of streets.

SACRAMENTO, Cal.—The Sacramento Chamber of Commerce and Geo. Maddock, General Manager of the Sutter Basin Company, is urging the construction of eight miles of road, from the Natomas Boulevard to the Sutter Basin District. The proposed road would be an extension of the present Natomas Boulevard, together with two bridges, one across the Feather river and one over the by-pass.

It is estimated that the building of the extension would bring to Sacramento \$12,000,000 worth of business each year.

MODESTO, Stanislaus Co., Cal.—The City Council has instructed City Engineer George H. Freitas to prepare plans and specifications for the proposed 36-inch storm sewer trunk line on either Eleventh or Eighth street. Construction in Eleventh street is favored by the engineer as he declares this is the "valley" of the city.

Construction will be financed from the recent bond issue which provided \$289,000 for improvements. W. O. Thompson is City Clerk.

PORT COSTA, Contra Costa Co., Cal.—The State Railroad Commission has taken under advisement the joint application of the Port Costa Water Company, Port Costa Development Company and Mount Diablo Development Company for authority to borrow from the San Francisco Savings and Loan Society \$100,000 to be used for improving the plant of the Port Costa Water Company.

MARTINEZ, Contra Costa Co., Cal.—The Contra Costa County Supervisors have applied to the State Railroad Commission for an order directing a separation of grades at a point on the Franklin canyon road, west of Christof station. The county officials ask for authority to construct a subway, claiming that with the completion of the Franklin canyon road as a concrete highway and the consequent increase in traffic, the crossing now in use will prove a menace. The road runs between Martinez and Hercules and is crossed by the tracks of the Santa Fe Railway.

GOLDENDALE, Wash.—E. P. Hinshaw, Construction Engineer for Klickitat County, has completed plans and bids will be called for shortly for the construction of highway project known as the Trout Lake Improvement District No. 3 for which bonds have already been voted. The road will be twenty-five miles long and will cost about \$400,000.

SAN BRUNO, San Mateo Co., Cal.—City Engineer Kneese submitted plans for the proposed water system at the last meeting of the City Trustees and a bond election to finance construction will be called within the next few weeks.

VALLEJO, Solano Co., Cal.—T. D. Kilkenny, City Engineer, has been instructed by the City Council to proceed with the construction of a board sidewalk to connect the causeway with the cement walks in Tennessee street. The walk will be about 530 feet long and eight feet wide and will cost about \$640.

Materials not on hand for construction will be purchased by the Engineer.

LOS ANGELES, Cal.—The Fleming Construction Co. of Pomona, declined to sign the contract for paving 1.01 miles of Cypress Ave. in Road Improvement District No. 142 and the matter was referred by the Board of Supervisors to the County Council for an opinion. The Fleming Company's bid was \$14,500, the county furnishing 1630 bbls. of cement.

PHOENIX, Ariz.—Until 10 A. M. January 14, 1920, bids will be received by V. A. Thompson, City Manager, for furnishing all labor and materials for con-



structing the Verde river gravity water supply for the city of Phoenix, the work to consist of about 32 miles of 36-in. to 38-in. wood, concrete or steel pipe line and a 25,000,000 gallon reinforced concrete circular reservoir. Certified check for 5% required. Plans and specifications may be obtained on deposit of \$10 from L. D. Hitchcock City Engineer, or Hiram Phillips, Consulting Engineer, 801 International Life Bldg., St. Louis.

MARTINEZ, Contra Costa Co., Cal.—An order has been made by the Railroad Commission authorizing the Port Costa Water Company to borrow \$100,000, the money to be used in constructing a pipe line running westward from Martinez. The line will replace a line that is no longer adequate to meet the needs of the water company's patrons. G. M. McNear is President of the company.

CRESCENT CITY, Del Norte Co., Cal.—G. L. Lewis has been appointed County Engineer by the Board of Supervisors, J. L. Lenz, County Clerk. Lewis will commence work on January 1st and will receive a salary of \$4,000 per year.

LOS ANGELES, Los Angeles Co., Cal.—All bids received by the Board of Supervisors for paving 2 miles of road from Pomona Blvd. south to Orange Grove Ave. in Road Improvement District No. 146, were rejected. Rogers Bros. Co. submitted the lowest bid at \$36,400.

FRESNO, Fresno Co., Cal.—Bids will be received by D. M. Barnwell, County Clerk, up to January 6th for the purchase of \$3,800,000 in county highway bonds, proceeds of the sale to finance the construction of a county highway system.

THE DALLAS, Ore.—The City Council has awarded a contract to Felgenson & Lindstrum of Portland for the construction of the viaduct in West Sixth street at \$19,093.

GRASS VALLEY, Nevada Co., Cal.—The City Trustees are contemplating the widening of the East Main street paving to the curb on each side of the street including the portion between car track rails.

The construction of a sidewalk fronting the Monahan property on East Main street has been ordered by the Trustees.

SANTA ROSA, Sonoma Co., Cal.—Bids will be received by the Sonoma County Supervisors up to January 12th, 1920, for furnishing and delivering to the County of Sonoma, 41,050 barrels of cement for use on the county highway system.

Bids will also be received on the same date for furnishing and delivering corrugated iron culvert pipe of various amounts and sizes. W. W. Felt Jr., is County Clerk.

## FIRE EQUIPMENT

PACIFIC GROVE, Monterey Co., Cal.—Bids received by the City Trustees for furnishing motor fire apparatus have been taken under advisement. Four bids were received for chassis

only and fully equipped trucks, ranging from \$1,800 to \$12,000.

OAKLAND, Cal.—Petitions have been received by the City Council, L. W. Cummings, City Clerk, urging the purchase of motor fire apparatus for the West Oakland section, which is now a large manufacturing center.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has adopted an Ordinance authorizing the expenditure of \$5,000 for the purchase of hose for the Fire Department during the fiscal year 1919-1920.

SACRAMENTO, Cal.—Owing to lack of funds the City Commissioners, M. J. Desmond, City Clerk, have rejected bids submitted for furnishing and delivering 1,000 feet of fire hose for use of the Fire Department.

## RAILROADS

HONCUT, Yuba Co., Cal.—The Oak Valley Lumber Co., through Wm. Mandery, Director, has announced its intention of erecting a sawmill at Honcut. The proposed plant will have a capacity of from 50,000 to 100,000 feet of lumber daily. The construction of a railroad from Camptonville to Honcut, a distance of about 70 miles is also planned.

The company is now operating near Camptonville.

LAKEVIEW, Ore.—The Oregon, California & Eastern Railway Company, known as the Strahorn line, has filed a trust deed in the County Clerk's office naming the Portland Trust Company as trustees. The amount named in the deed is \$10,000,000, and is to be used in the building of railroads from Bend to Klamath Falls and from a connecting point at or near Silver Lake to Lakeview; from a connection at Millikan to Crane, and from a point on that line to Burns.

## BUSY YEAR COMING.

Coming events cast their shadows before, and according to the size of the reflection the 1920 year gives promise of being one of the busiest, from a construction or lumber point of view, that has ever been experienced.

The demand for building lumber usually slacks off in November or at least by December and does not pick up again for three or four months; this year an unprecedented demand is continuing into midwinter and this demand, coupled with lack of transportation facilities—generally termed a car shortage—will lap the business over into next year, starting off with a running jump and the probabilities of its continuing on the jump throughout the entire year.—Western Lumberman.

## FRENCH REBUILDING COST REPORT FILED.

PARIS.—Louis Loucheur, Minister of Reconstruction, who recently told the Chamber of Deputies that he estimated the cost of restoring devastated regions would be 65,000,000,000 francs, actually figures the amount necessary to be 120,000,000,000 francs, according to the Matin.

## PATENT VULCANITE ROOFING CO. CONSOLIDATES WITH THE BEAVER BOARD COMPANIES

Through information received from the officials of the Patent Vulcanite Roofing Company we are able to confirm the report of the merging of interests of that concern with the Beaver Board Companies of Buffalo, New York.

The new arrangement means that the Vulcanite Company will have the backing of the strong Beaver Board interests and consequently will be enabled to undertake a large expansion immediately. For some time they have been in an oversold condition and it is planned to make an immediate increase in manufacturing facilities in order to bring production up to sales.

The Patent Vulcanite Roofing Company manufactures plain and ornamental roll roofings, asphalt shingles and other roofing products, and is regarded as one of the foremost roofing manufacturers in the United States. They maintain nine district sales offices, six factories and forty-three warehouses, and their connection with the Beaver Board Companies who are manufacturers of the well-known "Beaver Board" means an organization of exceptional possibilities.

The Beaver Board Companies recently absorbed the Tonawanda Board and Paper Company of Tonawanda, New York, and they operate a huge tract of timber land in Northern Canada, with mills at Thorold, Canada, and finishing plants at Ottawa, Canada, and Buffalo, New York.

We understand that Mr. Glendinning, the founder and President of the Vulcanite Company will retire from active management of the business, but will still retain a large financial interest in it; otherwise the Vulcanite organization is to remain unchanged and the business will continue to be operated as a separate corporation under its present charter.

## "GOOD ROADS" MOVEMENT IN CHILE.

### American Paving Composition Used.

During the war the shortage of ships compelled agricultural development in Chile which has had a direct bearing on recent agitation for improvement of highways. This subject will receive the special attention of the National Congress and the agricultural organizations during the coming year. American paving composition has been used with favorable results in Antofagasta; therefore the same material is now being employed in the repaving of the road between Valparaiso and Vina del Mar, one of the most traveled in Chile. The name of the Chilean concern which has this contract and which presumably will have others of a similar nature may be obtained by referring to file No. L. A. 20.

## PLAN CITY OWNERSHIP.

NEW YORK, N. Y.—Heads of several Greater New York traction corporations and city officials are working on a plan whereby this city will take over all its transportation lines.

A tentative plan has been referred to the directors of the several companies for their approval.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

San Francisco County			
No.	Owner	Contractor	Amt.
72729	Baker	Baker	850
72730	Leonard	Owner	10000
72731	Zellerbach	Owner	18000
72732	Raymond	Owner	3000
72733	Schmiedell Est	Owner	800
72734	Dunham	Fennell	20000
72735	Habeck	Mercer	950
72736	Lagomarsino	Owner	12000
72737	Hansen	Owner	6000
72738	Saroni	Blaisdell	675
72739	Thiesen	Horstmeyer	9000
72740	Hazeltine	Owner	800
72741	Vecchio	Debenedetti	500
72742	Heyman	Owner	8000
72743	Hall	Owner	3000
72744	Johnson	Johnson	700
72745	Balfour	Musto	42156
72746	Same	Fuller	19002
72747	Same	Forreder	8750
72748	Same	Neal	17500
72749	Mendel	Knowles	25805
72750	Wright	Jensen	5200
72751	Rossette	Owner	3000
72752	McKay	Owner	1200
72753	Johnson	Owner	5000
72754	Buck	Owner	850
72755	McKee	Breck	19990
72756	Fagon	Duncan	1350
72757	Crane	Owner	500
72758	McCarthy	Arnott	8100
72759	Ruggles	De Luca	14000
72760	S. F. Dairy	Britt	5000
72761	Stevens	Owner	7000
72762	Klopstock	Malloch	2000
72763	Aranson	Owner	20000
72764	Waterhouse	Forst	2337
72765	Schoenberg	White	5135
72766	Lovell	Duncan	35308
72767	Same	Snook	1830
72768	Same	Title	1000
72769	Same	MacGruber	1817
72770	Same	Wagner	912
72771	Same	Canley	620
72772	Same	Fire	5700
72773	Same	Fuller	1910
72774	Same	Forreder	1069
72775	Uhl	Uhl	4000
72776	Hartel	Merritt	1000
72777	Ellery	Merritt	550
72778	Witsehig	Merritt	600
72779	Clario	Owner	1000
72780	Fallon	Owner	600
72781	Maverson	Tolthunter	500
72782	Battaini	Owner	3000
72783	Hutt	Rogers	6000
72784	Wiese	Diesel	4000
72785	Wright	Jensen	5265
72787	Kingwell	Kingwell	6900
72788	Same	Same	6900
72789	Same	Same	6900
72790	Same	Same	6900
72791	Aranson	Spargo	14395
72792	Uhl	Uhl	6030
72793	Clancy	Clancy	4000
72794	Sarantitis	S. P. Owen	5000
72794	Henrikson	Owner	3000

(72729) S BRYANT 80 E Gilbert. One-story frame private garage.  
Owner—Mrs. R. T. Baker, 871 Bryant, San Francisco.  
Architect—None.  
COST, \$850

(72730) W ENTRADA 530 and 538 SW Ilarcia. Two one-story and basement frame dwellings.  
Owner—Joseph A. Leonard, 90 Cedar Ave., San Francisco.  
Architect—Owner.  
COST, \$5000 each

(72731) NW GEARY AND FIRST AVE. General alterations and changes for garage and auto repair shop.  
Owner—Zellerbach & Leonard, S. F.  
Architect—Jos. W. Rowell, 475 3rd Ave., San Francisco.  
Contractor—Theodore S. Hoin, 1739 Washington, San Francisco.  
COST, \$18,000

(72732) NO. 3 POTRERO AVE. Repair present cut stone and machinery shed.  
Owner—Raymond Granite Co., Premises  
Architect—None.  
Day's work.  
COST, \$3000

(2733) SW POST AND JONES. Alter entertainment rooms into apartments.  
Owner—Schmiedell Estate, Hind Bldg., San Francisco.  
Architect—N. Blaisdell, 255 California, San Francisco.  
Day's work.  
COST, \$600

(2734) ALAMEDA, KANSAS & DIVISION. Construct mezzanine floor; install electric work and sprinkler system.  
Owner—Dunham, Carrigan & Hayden Co., Premises.  
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.  
Contractor—Fennell & Chisholm, 180 Jessie, San Francisco.  
COST, \$20,000

(2735) NO. 2128 FIFTEENTH ST. Alter for flats.  
Owner—P. Habeck, 2132 Market, San Francisco.  
Architect—None.  
Contractor—D. C. Mercer, 764 De Haro, San Francisco.  
COST, \$950

(2736) W MISSION 79 S Ocean Ave. One-story brick garage, 53x100.  
Owner—Geo. Lagomarsino, 5571 Mission, San Francisco.  
Architect—Paco P. De Martini, 2123 Powell, San Francisco.  
COST, \$12,000

(2737) NO. 2789 BROADWAY. Add for tea room and observation room.  
Owner—Mrs. M. H. Houser, 2786 Broadway, San Francisco.  
Engineer—T. Rosenberg, Crocker Bldg., San Francisco.  
COST, \$5000

(2738) SPRUCE AND JACKSON. Build reinforced concrete wall.  
Owner—Louis Saroni, Premises.  
Architect—None.  
Contractor—Dan Blensfield, 1402 Clement, San Francisco.  
COST, \$875

(2739) NO. 425 FELL. Alter for basement garage and alter for two rooms.  
Owner—S. J. Thiesen, 537 Steiner, San Francisco.  
Architect—None.  
Contractor—W. Horstmeyer Co., 31 Ord St., San Francisco.  
COST, \$900

(2740) NO. 1260 MASONIC AVE. One-story frame (private) garage.  
Owner—Charles Hazeltine, Premises.  
Architect—D. J. Patterson, 16 Kearny, San Francisco.  
COST, \$800

(2741) NO. 4488 MISSION. Alteration for store; remove living rooms in rear, etc.  
Owner—Del Vecchio, 4761 Mission, San Francisco.  
Architect—None.  
Contractor—D. Debenedetti, 20 Cotter, San Francisco.  
COST, \$500

(2742) W TWENTY-SECOND 175-200 S Lincoln Way. Two one-story and basement frame dwellings.  
Owner—Oscar Heyman & Bro., 742 Market, San Francisco.  
Architect—Owner.  
Day's work.  
COST, \$1000 each

(2743) W EASTWOOD DRIVE 45 S Wildwood. One-story and basement frame dwellings.  
Owner—C. A. Hall, 1501 14th Ave., San Francisco.  
Architect—None.  
Day's work.  
COST, \$3000

(2744) NO. 111 HAIGHT. Alter two flats into three apartments.  
Owner—Grant T. Johnson, Premises.  
Architect—Owner.  
COST, \$500

(2745) SE CALIFORNIA & SANSOME S 89x E 129-9x. All work for interior marble and terrazzo for 12-story Class "A" office building.  
Owner—The Balfour Guthrie Investment Co., by P. J. Walker Co., Agents, Monnock Bldg., S. F.  
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.  
Contractor—Joseph Musto Sons, Keenan Co., 535 North Point, S. F.  
Filed Dec. 16, '19. Dated Dec. 5, '19.  
On 10th of each month, 75%  
Usual 35 days, 55%  
Bond, \$21,078. Surety, The Fidelity & Casualty Co. Limit, as required. Forfeit, none. Plans and specifications filed.

Contractor—W. P. Fuller & Co., Beale and Mission Sts., San Francisco.  
Filed Dec. 16, '19. Dated Nov. 19, '19.  
Payments same as above.  
TOTAL COST, \$19,602  
Bond, \$9801. Surety, The Fidelity & Casualty Co. Limit, as required. Forfeit, none. Plans and specifications filed.

above.  
Contractor—Forreder Cornice Works, 249 Potrero Ave., San Francisco.  
Filed Dec. 16, '19. Dated Dec. 9, '19.  
Payments same as above.  
TOTAL COST, \$3750  
Bond, \$4375. Surety, The Fidelity & Casualty Co. Limit, as required. Forfeit, none. Plans and specifications filed.

Contractor—L. J. Neal, 455 Hayes St., San Francisco.  
Filed Dec. 16, '19. Dated Nov. 29, '19.  
Payments same as above.  
TOTAL COST, \$17,500  
Bond, \$3750. Surety, The Fidelity & Casualty Co. Limit, as required. Forfeit, none. Plans and specifications filed.

(2749) NW ELLIS AND JONES. All work for alterations and additions to Class "C" apartment building.  
Owner—Dr. L. C. Mendel, 415 Jones St., San Francisco.  
Architect—G. R. Jewett, 75 Post St., San Francisco.  
Contractor—A. Knowles, Call Bldg., San Francisco.  
Filed Dec. 16, '19. Dated Nov. 5, '19.  
Exterior walls up and roof on. \$7000  
Partitions in place and interior plaster completed, 5338  
Completed and accepted, 7893  
Usual 35 days, 11774  
TOTAL COST, \$33,605  
Bond, none. Limit, as required. Forfeit, \$10. Plans and specifications filed.  
NOTE—Permit reported Nov. 22, 1919, No. 2541.

(2750) N TACOMA 85 W 10th. One-story brick manufacturing Bldg.  
Owner—J. V. Wright, 213 Lick Bldg., San Francisco.  
Architect—J. R. Miller, Lick Bldg., San Francisco.  
Contractor—G. P. W. Jensen, 320 Market, San Francisco.  
COST, \$5200

(2751) NE NEWCOMB 125 E Phelps. One-story and basement frame Dwg.  
Owner—Edwin S. Rossette, 1485 Church St., San Francisco.  
Architect—W. C. Petersen, 610 Fillmore, San Francisco.  
COST, \$3000

(2752) N TACOMA 130 W 15th Ave. One-story and basement frame Dwg.  
Owner—J. H. McKay, 465 14th Ave., San Francisco.  
Architect—None.  
COST, \$1200

(2753) E CAPITOL 175-200 N Gratiot. Two one-story and basement frame dwellings.  
Owner—Edwin S. Rossette, 1485 Church St., San Francisco.  
Architect—W. C. Petersen, 610 Fillmore, San Francisco.  
COST, \$3000

Owner—Nels P. Johnson, 233 Louisville, San Francisco.  
Architect—None.

(2754) NO. 837 COLE. Alter present residence in two flats.  
Owner—Wm. A. Buck, 833 Cole St., San Francisco.  
Architect—None.

(2755) NW TWELFTH and Ots. One-story reinforced concrete auto sales-room.  
Owner—John Dempster McKee, 661 Phelan Bldg., San Francisco.  
Architect—Albert W. Burgess, 661 Phelan Bldg., San Francisco.  
Contractor—John E. Beck, Builders' Association, San Francisco.

(2756) NO. 2213 BUCHANAN. Extend breakfast room; carpentry, mill work, plastering, etc., for residence.  
Owner—Paul I. Fagon, Premises.  
Architect—Nathaniel Blaisdel, 255 California, San Francisco.  
Contractor—W. C. Duncan Co., Sharon Bldg., San Francisco.

(2757) SW BRANNAN and 2nd. Erect shed over driveway.  
Owner—Crane Co., 361 Brannan, San Francisco.  
Architect—A. D. Beall, 203 4th, San Francisco.

(2758) N BRUCE 100 E Edgar Place; S Bruce 100-125 E Edgar Place. Three one-story and basement frame dwellings.

Owner—McCarthy Co., 316 Bush St., San Francisco.  
Architect—None.  
Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.

(2759) S POST 136-6 E Van Ness Ave. One-story concrete auto salesroom.  
Owner—Mary A. Ruggies, care architect.  
Architect—August Headman, 717 New Call Bldg., San Francisco.  
Contractor—F. De Luca, 2256 Jones, San Francisco.

(2760) NO. 1553 TURK. One-story frame shed.  
Owner—S. F. Dairy Corp., Premises.  
Architect—None.  
Contractor—J. W. Britt, 1115 Scott, San Francisco.

(2761) E SEVENTEENTH AVE 75 N Fulton. Two-story and basement frame (2) flats.  
Owner—A. Stevens, 2507-A Polk St., San Francisco.  
Architect—None.  
Day's work.

(2762) E CAPP 180 S 17th. New foundations, rat proofing, etc., for two flats.  
Owner—Kloppstock Bros., Capp & 18th, San Francisco.  
Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.  
Contractor—H. S. Malloch, 180 Jessie, San Francisco.

(2763) S EDDY 50 W Jones. One-story concrete auto sales room.  
Owner—Nettle Aronson, Merchants' Exchange Bldg., San Francisco.  
Architect—Mel I. Schwartz, 1202 Nevada Bank Bldg., San Francisco.

(2764) NW HOWARD 423 NE Second NE 90xNW 165. All work for alterations and additions to building.  
Owner—Waterhouse & Lester Co., 540 Howard, San Francisco.  
Architect—A. W. Cornelius, Merchants' National Bank Bldg., S. F.  
Contractor—Alfred H. Vogt, 185 Stevenson, San Francisco.

(2765) NW HOWARD 423 NE Second NE 90xNW 165. All work for alterations and additions to building.  
Owner—Waterhouse & Lester Co., 540 Howard, San Francisco.  
Architect—A. W. Cornelius, Merchants' National Bank Bldg., S. F.  
Contractor—Alfred H. Vogt, 185 Stevenson, San Francisco.

Forfeit, \$5. Plans and specifications filed.

(2766) N BUSH 137-6 W Taylor W 8 1/2 x N 137-6. Brick work for one-story and basement brick store bldg.  
Owner—Pauline Schoenberg, 2010 Pacific Ave., San Francisco.  
Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.  
Contractor—White & Gloor, Monad-Filed Dec. 18, '19. Dated Dec. 16, '19. Brickwork ready for ceiling.

(2767) SE NINETEENTH and Bryant S 151x E 70. Excavation, concrete, brick, iron, rough carpenter, finish hardware, stairs, composition floors, mill work, etc., for three-story brick factory building.

Owner—Chas. H. Lovell and Union Trust Co., trustee Est. Chas. La-throp, San Francisco.  
Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.  
Contractor—W. C. Duncan Co., Sharon Bldg., San Francisco.

(2768) PLUMBING WORK ON ABOVE. Contractor—Fred'k W. Snook Co., 596 Clay, San Francisco.

(2769) ELECTRIC WORK ON ABOVE. Contractor—H. S. Tittle, 766 Folsom, San Francisco.

(2770) EXTERIOR AND INTERIOR PLASTERING AND CEMENTING ON ABOVE. Contractor—MacGruer & Simpson (a co-partnership), 180 Jessie, S. F.

(2771) ROOFING ON ABOVE. Contractor—James Cantley, 110 Jessie, San Francisco.

(2772) AUTOMATIC SPRINKLER system, consisting of 12,000 gallon gravity tank elevated on steel tower on above.

Contractor—Fire Protection & Equipment Co., 25 Minna, San Francisco.

(2773) SE NINETEENTH and Bryant S 151x E 70. Excavation, concrete, brick, iron, rough carpenter, finish hardware, stairs, composition floors, mill work, etc., for three-story brick factory building.

Owner—Chas. H. Lovell and Union Trust Co., trustee Est. Chas. La-throp, San Francisco.  
Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.  
Contractor—W. C. Duncan Co., Sharon Bldg., San Francisco.

(2774) SE NINETEENTH and Bryant S 151x E 70. Sheet metal work for three-story brick factory building.

Owner—Chas. H. Lovell and Union Trust Co., Trustee Estate Chas. La-throp, San Francisco.

(2775) NO. 255 GEARY. Alterations and additions to balcony on first floor.

Owner—A. Uhl, 38 O'Farrell, San Francisco.

(2776) NO. 24 BLAKE. Alter for private garage. Cement floor.

Owner—Louis Harlel, Premises.  
Architect and Contractor—Geo. W. Merritt, 3015 Geary, San Francisco.

(2777) NW GREEN and Scott. Erect retaining wall.

Owner—Wm. Ellery, 583 Market, San Francisco.  
Architect and Contractor—Geo. W. Merritt, 3015 Geary, San Francisco.

(2778) NO. 849 KEARNY. Install plate glass front.

Owner—G. Mitschig, 1468 9th Ave., San Francisco.  
Architect and Contractor—Geo. W. Merritt, 3015 Geary, San Francisco.

(2779) W DE HARO 225 N 22nd. One-story and basement frame dwelling.

Owner—M. Carlo, 246 De Haro, San Francisco.  
Architect—None.

Completed and accepted ..... 1/2  
Usual 35 days ..... 1/2  
TOTAL COST, \$5700

Bond, Sureties, Forfeit, Limit, none.  
Plans only filed.

(2773) GLASS AND GLAZING ON ABOVE.

Contractor—W. P. Fuller & Co., Beale and Mission, San Francisco.

(2774) SE NINETEENTH and BRYANT S 151x E 70. Sheet metal work for three-story brick factory building.

Owner—Chas. H. Lovell and Union Trust Co., Trustee Estate Chas. La-throp, San Francisco.

(2775) NO. 255 GEARY. Alterations and additions to balcony on first floor.

Owner—A. Uhl, 38 O'Farrell, San Francisco.

(2776) NO. 24 BLAKE. Alter for private garage. Cement floor.

Owner—Louis Harlel, Premises.  
Architect and Contractor—Geo. W. Merritt, 3015 Geary, San Francisco.

(2777) NW GREEN and Scott. Erect retaining wall.

Owner—Wm. Ellery, 583 Market, San Francisco.  
Architect and Contractor—Geo. W. Merritt, 3015 Geary, San Francisco.

(2778) NO. 849 KEARNY. Install plate glass front.

Owner—G. Mitschig, 1468 9th Ave., San Francisco.  
Architect and Contractor—Geo. W. Merritt, 3015 Geary, San Francisco.

(2779) W DE HARO 225 N 22nd. One-story and basement frame dwelling.

Owner—M. Carlo, 246 De Haro, San Francisco.  
Architect—None.

(2780) NO. 331 HAYES. Repair fire loss.

Owner—E. A. Fallon, 1907 B, Oak St., San Francisco.

(2781) NO. 2962 TWENTY-FIRST. Alter for basement garage, cement basement and read yard.

Owner—G. Watson, 855 Treat Ave., San Francisco.

(2782) S GENEVA 100 E Huron. One-story and basement frame dwelling.

Owner—Louis Battalini, 32 Huron Ave., San Francisco.

(2783) SW CLEMENT and 24th Ave. Alter store for Photo and picture store.

Owner—Peter W. Butt, 3239 Clement, San Francisco.

(2784) NO. 3036 SIXTEENTH. Interior alteration and changes for cafeteria.

Architect—None.  
Contractor—H. C. Rogers and O. Campbell, 1433 8th Ave., S. F.

(2785) NW HOWARD 423 NE Second NE 90xNW 165. All work for alterations and additions to building.

Owner—Waterhouse & Lester Co., 540 Howard, San Francisco.

(2786) NW HOWARD 423 NE Second NE 90xNW 165. All work for alterations and additions to building.

Owner—Waterhouse & Lester Co., 540 Howard, San Francisco.

(2787) NW HOWARD 423 NE Second NE 90xNW 165. All work for alterations and additions to building.

Owner—Waterhouse & Lester Co., 540 Howard, San Francisco.

(2788) NW HOWARD 423 NE Second NE 90xNW 165. All work for alterations and additions to building.

Owner—Waterhouse & Lester Co., 540 Howard, San Francisco.

Owner—John Wiese, Jr., Premises.  
Architect—C. O. Clausen, Hearst Bldg.,  
San Francisco.  
Contractor—John Diestel, Russ Bldg.,  
San Francisco.  
COST, \$4000

(2786) N NATOMA 80 W Tenth N 75  
— S 75 E 30. All work except paint-  
ing, electrical work, glazing, fixtures  
and shades for one-story brick build-  
ing.

Owner—J. W. Wright, 213 Lick Bldg.,  
San Francisco.  
Architect—J. R. Miller, Lick Bldg.,  
San Francisco.

Contractor—G. W. Jensen, 320 Mar-  
ket San Francisco.

Filed Dec. 19, '19. Dated Dec. 17, '19.  
Roof boards on ..... \$2500  
Completed and accepted ..... 1450  
Usual 35 days ..... 1315

TOTAL COST, \$5265  
Bond, none. Limit, 30 days. Forfeit,  
none. Plans and specifications filed.  
Permit reported Dec. 18, 1919. No.  
2750.

(2787) W PLYMOUTH AVE 35 N from  
N line Lot 7 S 45 S 73 deg 34 min 31  
sec W 93.635 N 38 N 68 deg 22 min 57  
sec E 93.198 Ptn Lots 4 and 5 Blk  
3163, Westwood Park. All work for  
one-story and basement frame bungal-  
ow and garage.

Owner—John J. Kingwell, 401 Butler  
Bldg., San Francisco.

Architect—Chas. F. Strothoff, 2276 15th,  
San Francisco.

Contractor—Kingwell Bros., 444 Na-  
toma, San Francisco.

Filed Dec. 19, '19. Dated —, '19.

Frame up and enclosed ..... \$1725  
Brown coated ..... 1235  
Completed and accepted ..... 1725  
Usual 35 days ..... 1725

TOTAL COST, \$6500  
Bond, \$3450. Sureties, Chas. P. Kingwell  
and Chas. E. Taylor. Limit, 90 days.  
Forfeit, none. Plans and specifications  
filed.

(2788) W PLYMOUTH AVE 25 N from  
N line Lot 7 S 45 S 81 deg 13 min 49  
sec W 95.968 N 38 N 85 deg 29 min  
42 sec E 94.124 Ptn Lots 6 and 7 Blk  
3163 Westwood Park. All work for  
one-story and basement frame dwell-  
ing.

Owner—John J. Kingwell, 401 Butler  
Bldg., San Francisco.

Architect—Chas. F. Strothoff, 2276 15th,  
San Francisco.

Contractor—Kingwell Bros., 444 Na-  
toma, San Francisco.

Filed Dec. 19, '19. Dated Nov. 1, '19.

Frame up and enclosed ..... \$1725  
Brown coated ..... 1235  
Completed and accepted ..... 1725  
Usual 35 days ..... 1725

TOTAL COST, \$6500  
Bond, \$3450. Sureties, Chas. P. Kingwell  
and Chas. E. Taylor. Limit, 90 days.  
Forfeit, none. Plans and specifications  
filed.

(2789) W PLYMOUTH AVE 15 N from  
N line Lot 9 S 45 S 89 deg 43 min. 49  
sec W 15.968 N 38 N 85 deg 29 min.  
01 sec E 95.930 Ptn Lots 8 and 9  
3163, Westwood Park. All work for  
one-story frame dwelling.

Owner—John J. Kingwell, 401 Butler  
Bldg., San Francisco.

Architect—Chas. F. Strothoff, 2276 15th,  
San Francisco.

Contractor—Kingwell Bros., 444 Na-  
toma, San Francisco.

Filed Dec. 19, '19. Dated Nov. 1, '19.

Frame up and enclosed ..... \$1725  
Brown coated ..... 1235  
Completed and accepted ..... 1725  
Usual 35 days ..... 1725

TOTAL COST, \$6500  
Bond, \$3450. Sureties, Chas. P. Kingwell  
and Chas. E. Taylor. Limit, 90 days.  
Forfeit, none. Plans and specifications  
filed.

(2790) W PLYMOUTH AVE 4 N from  
N line Lot 11 S 42 N 84 deg. 03 min. 33  
09 sec W 96.729 N 38 deg. 03 min. 33  
09 sec E 96.406 Ptn Lots 10 to 12 Blk  
3163, Westwood Park. All work for  
one-story and basement bungalow  
and garage.

Owner—John J. Kingwell, 401 Butler  
Bldg., San Francisco.

Architect—Chas. F. Strothoff, 2276 15th,  
San Francisco.

Contractor—Kingwell Bros., 444 Na-  
toma, San Francisco.

Filed Dec. 19, '19. Dated —, '19.

Frame up and enclosed ..... \$1725  
Brown coated ..... 1235

Completed and accepted ..... 1725  
Usual 35 days ..... 1725

TOTAL COST, \$6500  
Bond, \$3450. Sureties, Chas. P. Kingwell  
and Chas. E. Taylor. Limit, 90 days.  
Forfeit, none. Plans and specifications  
filed.

(2791) S EDDY 50 W Jones W 87-6x  
S 100. Concrete work, excavating,  
iron and steel fireproof doors, iron  
grates for one-story and basement  
unfinanced concrete building (stores).

Owner—Nettie Aronson, Merchants'  
Exchange Bldg., San Francisco.

Architect—Mel I. Schwartz, Nevada  
Bldg., San Francisco.

Contractor—John Spargo, 240 Mont-  
gomery, San Francisco.

Filed Dec. 19, '19. Dated Dec. 17, '19.

Basement walls and columns  
poured ..... \$3598.75  
First floor walls poured ..... 3598.75  
Completed and accepted ..... 3598.75  
Usual 35 days ..... 3598.75

TOTAL COST, \$14,395.00  
Bond, \$7198. Sureties, D. J. Sullivan &  
P. F. Shortall. Limit, 40 days. Forfeit,  
none. Plans and specifications filed.

Permit reported Dec. 19, 1919. No.  
2763.

(2791) NO. 255 GEARY. Erect parti-  
tions on 3rd, 4th, 5th and 6th floors.  
Owner—A. Uhl, 33 O'Farrell, San Fran-  
cisco.

Architect—None.

Day's work. COST, \$6000

(2792) E FIFTEENTH AVE 150 N  
Judah. One-story and basement  
frame dwelling.

Owner—D. J. Clancy, 2884 Folsom, S. F.

Architect—None.

Day's work. COST, \$4000

(2793) NO. 2200 MISSION. Construct  
bath, bathroom, closets, etc.  
Owner—G. J. Sarantitis, 41 Shipley St.,  
San Francisco.

Architect—None.

Contractor—San Francisco Oven Co.,  
1265 Eddy, San Francisco.

COST, \$5000

(2794) E NAPLES 133 S Athens. One-  
story and basement frame residence.  
Owner—Albert Henrikson, 2982 25th,  
San Francisco.

Architect—None.

Day's work. COST, \$3000

## COMPLETION NOTICES

### San Francisco County

Dec. 13, 1919—N SEVILLE 140 E Cor-  
dova Lot 15 Blk 22 Crocker Amazon  
Tract. Victor Bjorkman and Vic-  
tor Holmgren to whom it may con-  
veyed ..... Dec. 12, 1919

Dec. 15, 1919—LOT 20, BLK 22, For-  
est Hill. Regina Marshall to J.  
Proul ..... July 29, 1919

Dec. 15, 1919—SW EIGHTEENTH 225  
W Sanchez W 25xN 114. Victor  
Bjork to Victor Bjork ..... Dec. 15, 1919

Dec. 15, 1919—W ELEVENTH AVE  
100 N California N 25xW 120. John  
and Margaret McVeigh to Ruzga  
Bros. ..... Dec. 15, 1919

Dec. 15, 1919—S PACIFIC AVE 63  
B Scott S 100, E 37-6, N 100, W  
160. Remo E. Sbarbo to whom  
it may concern ..... Dec. 15, 1919

Dec. 15, 1919—NW ASHBURY and  
Grove. A. P. Dunphy to W. J.  
Hemminga ..... Dec. 15, 1919

Dec. 15, 1919—S HILBERT 82-6 E  
Jones E 40xS 137-6. Vincent and  
Rosa Cancellia to F. Monson .....  
Dec. 15, 1919

Dec. 15, 1919—E TWENTY-NINTH  
AVE 212-20x S Lake S 25x E 120;  
W 29th AVE 352-6 N California N  
25x W 120; W 29th AVE 29th N  
California N 25xW 120; W 29th AVE  
302-6 N California N 25xW 120; W  
29th AVE 327-6 N California N 25x  
W 120. Harry P. Allen to whom  
it may concern ..... Dec. 11, 1919

Dec. 16, 1919—W CAIP 100 S 16th S  
56x105. Lachman Bros. to whom  
it may concern ..... Dec. 15, 1919

Dec. 17, 1919—LOT 45, BLK 2, Lake-  
view. The McCarthy Co. to James  
Appt & Son ..... Dec. 15, 1919

Dec. 17, 1919—E TWENTY-THIRD AVE  
and Bathon E 32-6xN 100. Ole M.  
Oyen and Peter Mednast to whom  
it may concern ..... Dec. 19, 1919

Dec. 19, 1919—LOT 17, BLK 26, West  
End Map No. 14-166 feet SW of

Santa Ynez Ave. on Delano Ave.  
L. Battaini to Bert Ghio .....  
Dec. 19, 1919

Dec. 19, 1919—W TWELFTH AVE 50  
S Stevenson 50 on 12th AVE. J.  
42-50 12th. M. L. Marx to Louis J.  
Deibel ..... Dec. 17, 1919

Dec. 19, 1919—LOTS 1 TO 5, BLK  
B. Mission Terrace, Mission Ter-  
race Co. to whom it may concern .....  
Dec. 15, 1919

Dec. 19, 1919—LOT 2, BLK. 3133,  
Westwood Park. Hans Nelson to  
Nelson Bros. .... Dec. 19, 1919

Dec. 19, 1919—LOT 26, BLK. 3163,  
Katherine C. Kingwell to Jno. J.  
Kingwell ..... Dec. 8, 1919

Dec. 19, 1919—W PLYMOUTH 25-6 E  
S from NE cor. lot 15, N 77 deg.  
22 min. 52 sec. W 94-356, N 35-823,  
S 79 deg. 01 min. 36 sec. E 95-245,  
S 28-454, ptn lots 14 and 15, Blk.  
3177, Westwood Park. Hans Nel-  
son to Nelson Bros. .... Dec. 18, 1919

## BUILDING CONTRACTS

### Alameda County

4099 Page Sea 5000

4100 Danielson David 575

4101 Root Hawkins 500

4102 Laughn Vachse 2000

4103 Braun Graft 8900

4104 Marshall Owner 3500

4105 Nedderman Sheridan 400

4106 Saxon Owner 1000

4107 Excelsior Ldy Owner 700

4108 Pedronia Amorosa 4850

4109 Raleigh Cofer 2000

4110 Clark Clark 5000

4111 Palmanteen Knowles 5000

4112 Druke Westlund 7778

4113 McChesney Owner 3500

4114 Dewberry Wendt 6000

4115 Nat'l. Ice Cream Owner 800

4116 Hegler Cofer 4000

4117 Souza Owner 500

4118 Standeford Anderson 400

4119 Lindsay Henderson 400

4120 Same Same 4000

4121 Same Same 475

4122 McCunn Shrader 453

4123 Burgner Owner 1000

4124 Delany Handlett 4000

4125 Rose White 2000

4126 Baldesseri Wallace 1650

4127 Bunnell Iddings 425

4128 Wingfield Rose 500

4129 Pfarrng Pfarrng 4000

4130 Fernandez Cal Bldrs. 7900

4131 Armanino Owner 7000

4132 Gallagher Owner 4000

4133 Bkly Bd Ed Morton 27187

4134 Bkly Bd Ed Zelinsky 2675

(4099) S HARVEY AVE 205 and 240  
E 55th AVE. Two one-story 5-room  
dwellings.

Owner—M. C. Page, 2040 55th AVE, Okd..

Architect—None.

Contractor—John Sea, 817 Buena Vista  
Ave., Alameda.

COST, \$2500 each

(4100) NE PARK BOULEVARD AND  
E-20th, Oakland. Garage.

Owner—M. C. Danielson, 40th and  
Lowie, Oakland.

Architect—None.

Contractor—W. J. David, 2428 Linden,  
Oakland.

COST, \$575

(4101) NO. 2524 LE CONTE AVE.,  
Berkeley. Addition.

Owner—M. C. Root, Victoria Hotel  
San Francisco.

Architect—None.

Contractor—Hawkins & Gilmore, 2129  
Stuart, Berkeley.

COST, \$500

(4102) N FOOTHILL BLVD. 280 W  
55th AVE. Oakland. One-story five-  
room dwelling.

Owner—M. C. Laughn, 5833 Ayala, Okd.

Architect—None.

Day's work. COST, \$3000

(4103) E FRANKLIN 125 S Eighth,  
Oakland. Two-story brick stores and  
lofts.

Owner—F. Braun, 1926 Broadway, Okd.

Architect—None.

Contractor—Edwin C. Graft, 1926  
Broadway, Oakland.

COST, \$9900

(4104) S KEITH AVE 415 W Broad-  
way, Oakland. Two-story 6-room  
dwelling.

Owner—J. A. Marshall, 5651 College Ave., Oakland.  
Architect—None.  
Day's work. COST, \$3500

(4105) NO. 5261 LOCKSLEY AVE., Oakland. Addition.  
Owner—J. H. Norderman, Premises.  
Architect—None.  
Contractor—Robt. E. Sheridan Co., 351 11th, Oakland.  
COST, \$400

(4106) N TRENOR opp. Chevrolet Works, Oakland. One-story 3-room dwelling.  
Owner—A. E. Davidson, Oakland.  
Architect—None.  
Day's work. COST, \$1000

(4107) E WEST 70 N 21st, Oakland. Rest room.  
Owner—Excelsior Laundry, Premises.  
Architect—None.  
Day's work. COST, \$700

(4108) W MYRTLE bet. 5th and 7th, being No. 541. Alter dwelling to apartments except plumbing, gas electric fixtures, finish hardware and window shades.  
Owner—Júnez Pedronia, Architect—None.  
Contractor—F. C. Amoroso, 1336 Kearny, San Francisco.  
Filed Dec. 16, '19. Dated Dec. 15, '19.  
Frame up ..... 1/4  
Plastered ..... 1/4  
Completed and accepted ..... 1/4  
Usual 35 days ..... 1/4  
TOTAL COST, \$4850  
Bond, Sureties, Forfeit, none. Limit, 90 days. No plans or specifications filed.

(4109) N RAMONA AVE 133 W Moraga Oakland. One-story 4-room dwlg.  
Owner—M. P. Raileigh, Architect—None.  
Contractor—J. E. Cofer, Federal Bldg., Oakland.  
COST, \$2000

(4110) E THIRTY-SEVENTH AVE. 160 N E-14th, Oakland. Alter dwelling into apartments.  
Owner—O. R. Clark, 2419 E-22nd St., Oakland.  
Architect—None.  
Day's work. COST, \$2000

(4111) NO. 669 OKLAND AVE., Oakland. Alter dwelling.  
Owner—Mrs. E. K. Palmanteen, 1148 Madison St., Oakland.  
Architect—Wm. Knowles, Contractor—William Knowles, Central Bank Bldg., Oakland.  
COST, \$5000

(4112) N LAKESHORE AVE 100 E Spring Ave., Oakland. Two-story 8-room dwelling.  
Owner—E. C. Druke, Architect—Shirmer Bugbee & Co., Thayer Bldg., Oakland.  
Contractor—Fred J. Westlund, 2207 10th Ave., Oakland.  
COST, \$7778

(4113) SE PARK BLVD. AND SAN Luis Ave., Oakland. One-story five-room dwelling.  
Owner—W. E. McChesney, 1315 San Luis Ave., Oakland.  
Architect—None.  
Day's work. COST, \$3500

(4114) NE CANNING AND SIXTIETH AND N Sixtieth 50 E Canning, Oakland. Two one-story 4-room dwellings.  
Owner—W. H. Dewberry, Architect—None.  
Contractor—G. H. Wendt, 1st National Bank, Emeryville.  
COST, \$3000 each

(4115) N THIRD 100 W Cypress, Oakland. One-story the boiler house and one-story, storage shed.  
Owner—National Ice Cream Co. Architect—None.  
Contractor—J. E. Cofer, 21st Franklin St., Oakland.  
COST, \$800

(4116) E STANNAGE 390 and 320 N Hopkins, Oakland. Two one-story four-room dwelling.  
Owner—E. C. Hegler, 701 Taylor St., San Francisco.  
Architect—None.  
Contractor—J. E. Cofer, 21st Franklin St., Oakland.  
COST, \$2000 each

(4117) NO. 2614 E-ELEVENTH ST., Oakland. Tank frame.  
Owner—Jess Souza, Premises.  
Architect—None.  
Day's work. COST, \$500

(4118) NW FIRST & WASHINGTON, Oakland. Fire repairs.  
Owner—Barham Standford Co., Prem Architect—None.  
Contractor—A. H. Anderson, 1438 Hopkins, Oakland.  
COST, \$400

(4119) NO. 912 FIFTY-SECOND AVE., Oakland. Alterations.  
Owner—F. C. Lindsay, Architect—None.  
Contractor—H. E. Henderson, 3773 Broadway, Oakland.  
COST, \$400

(4120) W FIFTY-FOURTH AVE 250 S E-10th, Oakland. Alterations.  
Owner—F. C. Lindsay, Architect—None.  
Contractor—H. E. Henderson, 3773 Broadway, Oakland.  
COST, \$400

(4121) SE FIFTY-FIRST AVE & E-10th, Oakland. Alterations.  
Owner—F. C. Lindsay, Architect—None.  
Contractor—H. E. Henderson, 3773 Broadway, Oakland.  
COST, \$475

(4122) NO. 1169 SIXTEENTH, Oakland. Addition.  
Owner—Frank A. McCunn, Premises.  
Architect—None.  
Contractor—J. F. Shrader, 520 16th, Oakland.  
COST, \$452

(4123) NO. 2505 CENTRAL AVE., Alameda. Alterations.  
Owner—A. J. Burgner, 2503 Central Ave., Alameda.  
Architect—None.  
Day's work. COST, \$1000

(4124) NO. 1340 PARK, Alameda. Alterations.  
Owner—F. M. Delaney, Architect—None.  
Contractor—E. C. Randlett, 1534 Chestnut, Alameda.  
COST, \$4000

(4125) NO. 3005 VAN BUREN, Alameda. One-story three-room dwlg.  
Owner—C. E. Eose, 2908 Russell St., Berkeley.  
Architect—None.  
Contractor—Hugh C. White, 353 14th Ave., San Francisco.  
COST, \$2000

(4126) W GROVE 68 S Woolsey, Berkeley. One-story 3-room dwelling.  
Owner—A. Baldesseri, Architect—None.  
Contractor—Wallace Bros., 3345 Grove, Berkeley.  
COST, \$1650

(4127) NO. 2137 CENTER, Berkeley. Alterations.  
Owner—Bunnell Estate, Architect—None.  
Contractor—W. W. Iddings, 1805 Cedar, Berkeley.  
COST, \$425

(4128) NO. 5615 KALES AVE., Oakland. Addition.  
Owner—W. Wingfield, Premises.  
Architect—None.  
Contractor—A. H. Rose & Co., 525 17th, Oakland.  
COST, \$500

(4129) W CLAREMONT AVE 100 N Colby, Oakland. Two-story six-room dwelling.  
Owner—C. J. Pfrang, 450 Forest, Oakland.  
Architect—None.  
Day's work. COST, \$4000

(4130) W WEBSTER 60 N Rich, Oakland. Two-story 12-room apartments.  
Owner—K. Fernandez, 1534 Franklin, Oakland.  
Architect—None.  
Contractor—California Builders Co., 1534 Franklin, Oakland.  
COST, \$7900

(4131) E COLLEGE AVE 46 N Keith Oakland. Two-story store and office building.

Owner—F. Armanino, 198 Hudson Okd. Architect—None.  
Day's work. COST, \$7000

(4132) N ALCATRAZ AVE 80 and 115 E California, Berkeley. Two one-story 5-room dwellings.  
Owner—Brown & Scoops, 1421 Alcatraz Ave., Berkeley.  
Architect—None.  
Day's work. COST, \$2000 each

(4133) E EUCLID AVE 50 N Ridge Road 70x125, Berkeley. All work except painting, electric work, finish hardware, iron casings, iron railing for three-story frame apartments.  
Owner—Bessie Gallagher, 2707 Virginia St., Berkeley.  
Architect—None.  
Contractor—Mathew Morton, 2911 Benvenue Ave., Berkeley.  
Filed Dec. 29, '19. Dated Dec. 1, '19.  
Roof boarded ..... 1/4  
Brown coated ..... 1/4  
Completed and accepted ..... 1/4  
Usual 35 days ..... 1/4  
TOTAL COST, \$27,187

Bond, none. Limit, 5 months. Forfeit, none. Plans and specifications filed.

(4134) COR. COLUSA AVE AND Tacoma St., Berkeley. All work for painting Thousand Oaks School.  
Owner—The Board of Education of the City of Berkeley and of Berkeley School District of Alameda County, State of California.  
Architect—Wm. L. Hays, 1st National Bank Bldg., San Francisco.  
Contractor—D. Zelinsky & Sons, 422 Turk St., San Francisco.  
Filed Dec. 19, '19. Dated Dec. 19, '19.  
On 10th of each month ..... 75%  
Usual 35 days ..... 25%  
Bonds, \$1500 and \$1500. Surety, National Surety Co. Limit, 30 days. Forfeit, none. Plans and specifications, none.

## COMPLETION NOTICES

## Alameda County

Dec. 13, 1919—W TWENTY-EIGHTH AVE 560 N E-16th being No. 1735 28th Ave. Okd. Emil Isaacson to Alex C. Weber ..... Dec. 7, 1919  
Dec. 15, 1919—LOT 5, BLK 10, Boulevard Park Tract, Okd. Eulalie Meny to S. A. Warner ..... Dec. 7, 1919  
Dec. 15, 1919—LOT 120 Map North Christiania Tract, Albany. Wenona Barclay to August Hendrickson ..... Dec. 15, 1919  
Dec. 15, 1919—LOT "B" BLK 9 Map Shaw Tract Bk 4, 6, 7, 8 and 9, Bkly. Henrietta T. Fox to G. Estey ..... Dec. 6, 1919  
Dec. 13, 1919—LOT 6 BLK 7 Map Thousand Oaks Station Tract, Bkly. Chester P. Ninkert to whom it may concern ..... Dec. 15, 1919  
Dec. 15, 1919—(1) NE 50 LOT 3 BLK 13 Broadmoor; (2) NE 50 LOT 4 BLK 13 Broadmoor; (3) NE 50 Lot 5 Blk 13, Broadmoor. .... Omer F. Darling to whom it may concern ..... Dec. 15, 1919  
Dec. 16, 1919—LOT 19 Map San Antonio Court, San Leandro. Allen E. Pelton to Henry Houle ..... Dec. 16, 1919  
Dec. 16, 1919—BRYANT ST. Alameda Refinery, Alameda. Pacific Coast Borax Co. to G. W. Stewart ..... Dec. 11, 1919  
Dec. 17, 1919—NEAR FOURTH and Pacific Ave., Alameda. N. Clark & Sons to Nelson & Forsyth ..... Dec. 17, 1919  
Dec. 17, 1919—B EMERALD ST. 198.84 N 11th St. N 50 E 92.33 S 80.492 W 85.96, Oakland. A. N. Macdonald and F. L. Wolfe to Solomon Morris ..... Dec. 15, 1919  
Dec. 17, 1919—SE COR. CLAREMONT Blvd. and Garber Road, Berkeley. Mrs. C. F. Weber to Walter Sorenson ..... Dec. 15, 1919  
Dec. 17, 1919—NO. 2538 SIXTH, Berkeley. Johnson-Libby Co. to Western Electric Co. .... Dec. 10, 1919  
Dec. 18, 1919—LOT 13, 14 and 15, Map Redwood Park, Oakland. L. H. Warnken and V. Jacobsen to F. A. Warner ..... Dec. 18, 1919  
Dec. 18, 1919—LOT 59 AND S 100 lot 58, Map of Alton Park, Oakland. Ella

M. Planella to A. C. Sharp. Dec. 15, 1919  
Dec. 18, 1919—LOT 5 N 1/2 Lot 6 Blk 593 Map Market Street Tract, bet. 16th and 18th Sts., Okd. Bay Elec Co vs May Wiley and Chas H and May Parmenter. \$492.50  
Dec. 18, 1919—W STANTON 50 S Ashby Ave being Lot 22 Blk "B" Map West Moreland Tract, Bldg. Redwood Mfg Co vs Milton Schroeder and H Nielsen. \$400.06  
Dec. 15, 1919—N LERIGA AVE 300 W Walla Vista Ave, Bldg. No. 46 Lot 10 Blk 3 Map B-Piedmont Heights Extension, Okd. Wm Smith vs M D Graves, John R Vowdsh Jr, A Corum and Joseph Grave. \$397.47  
Dec. 15, 1919—PTN LOT 4 Map Commissioner's Report suit in partition Louis J Haralson vs Martha Ann Remwick et al Case, 2334, Okd. Joseph Huber vs Dorothea Papp. \$492.50  
Dec. 16, 1919—LOT 5 and N 1/2 Lot 6, Blk 593 Map Market St. Tract, bet. 16th and 18th Sts., Okd. A H Rose vs Mrs May Wiley and Chas H and May Parmenter. \$231.50  
Dec. 17, 1919—NE COR. ELEVENTH AVE and E 24th St., being part Blk 150 Higley's Map of Clinton, Okd. E. K. Wood Lumber Co. vs. A. E. Farmer and R. W. Farmer. \$1086.59  
Dec. 17, 1919—NO. 457 STOWE Ave, being lots 16 and 17, George Austin's subdivision Lake View Terrace Tract, Okd. E. K. Wood Lumber Co. vs. Lew G. Gow, Lew Hing and George Quinge. \$34.33

## BUILDING CONTRACTS.

## Santa Clara County.

## COTTAGES

WILLIAM ST. bet. 12th and 13th Sts., San Jose. Three cottages.  
Owner—L. B. Uggdale.  
Architect—Binder & Curtis, Blinder Bldg., San Jose.  
Contractor—P. T. Jorgensen, Naglee and Dana Sts., San Jose. COST, \$13,013

## ALTERATIONS

NO. 361 N-FOURTH ST., San Jose.  
Alterations.  
Owner—Hunt Bros., Packers and Cannery, San Jose.  
Architect—None.  
Day's work. COST, \$25,000

## ADDITION

LINCOLN AND SAN SALVADOR STS., San Jose. All work for addition to canning plant.

Owner—The Salsina Canning & Packing Co., Premises.

Architect—Theodore Lenzen & Sons, 110 S-Second St., San Jose.  
Contractor—J. H. Miller, 101 S-16th St., San Jose.

Filed Dec. 12, '19. Dated Dec. 10, '19.  
As work progresses. \$4201  
Usual 35 days, balance. \$4201  
TOTAL COST, \$18,804

Bond, \$5,462. Sureties, A. L. Hubbard and Henry C. Artana. Limit, 70 days.  
Forfeit, none. Plans and specifications filed.

## STORE BUILDING

NORTH MARKET ST., San Jose. All work for one-story brick and frame store building.

Owner—J. N. Rossich, 34 Fountain St., San Jose.

Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.  
Contractor—Al. Compton, 547 N-17th St., San Jose.

Filed Dec. 12, '19. Dated Dec. 11, '19.  
Brick work story high. \$1737.25  
Brick work completed and building roofed. \$1737.25

Upon completion. \$1737.25  
Usual 35 days. \$1737.25

TOTAL COST, \$6849.00  
Bond, \$1800. Sureties, Otto E. and A. L. Schnabel. Limit, 90 working days.  
Forfeit, none. Plans and specifications filed.

## COTTAGE

NO. 323 N. FIFTEENTH, San Jose.  
Four-room cottage.

Owner—Geo. Barbano, Premises.  
Architect—None.  
Day's work. COST, \$1500

## COTTAGE

NO. 7 bet. WASHINGTON and Empire.  
Five-room cottage.

Owner—Angelo Tirano, San Jose.  
Architect—None.  
Day's work. COST, \$900

## COMPLETION NOTICES.

## Santa Clara County.

Recorded. Accepted  
Dec. 13, 1919—HESTER PARK TCT near San Jose and Alameda to Lawrence Lewis. Dec. 10, 1919

Dec. 15, 1919—SAN JOSE. Associated Oil Co to Robert O Summers. Dec. 1, 1919

Dec. 15, 1919—SAN JOSE. A K Burkett to whom it may concern. Dec. 15, 1919

Dec. 15, 1919—SAN JOSE. A K Burkett to whom it may concern. Dec. 15, 1919

## RELEASE OF LIENS.

## Santa Clara County.

Recorded. Amount  
Dec. 15, 1919—GILROY. Central Lumber Co and G A Chappell & Co to Mrs Frank Baptista. \$211.69

## BUILDING CONTRACTS.

## Fresno County.

DWELLING AND GARAGE  
LOT 4 BLK 17, Alta Vista Tract, Fresno. Frame dwelling and garage.

Owner—Chess & Peterson, Fresno.  
Architect—None.  
Day's work. COST, \$7000

## DWELLING

LOT 20 E 22 FT. LOT 19, BLK. 2, St. Francis Wood, Fresno. Frame dwelling.

Owner—J. J. Reese, 211 G. McKay Bldg., Fresno.  
Architect—None.  
Contractor—C. C. Sibley, Fresno. COST, \$9000

## DWELLING

LOTS 3 AND 6 BLK 3, Leona Heights, Fresno. Frame dwelling.

Owner—John Miller, 1031 Belmont, Fresno.  
Architect—None.  
Contractor—E. R. Morris, 2031 Lewis, Fresno. COST, \$3450

## DWELLING &amp; GARAGE

LOT 36, BLK. 22, BELMONT ADD, Fresno. Frame dwelling and garage.

Owner—J. A. Orr, Fresno, Cal.  
Architect—None.  
Contractor—C. E. Buckmaster, 1712 Lewis, Fresno. COST, \$2700

## DWELLING &amp; GARAGE

LOTS 30, 31 PARK PLACE, Fresno. Frame dwelling and garage.

Owner—J. F. Myers, Valentine, Fresno.  
Architect—None.  
Contractor—E. P. Tallafierro, 2917 Grant, Fresno. COST, \$4000

## DWELLING

LOT 8, SEQUOIA PARK, Fresno. Frame dwelling.

Owner—H. H. Holland, 2048 Mariposa, Fresno.  
Architect—None.  
Contractor—G. C. Cannon, 1005 Butler, Fresno. COST, \$2700

## DWELLING &amp; GARAGE

LOTS 1, 2, BLK. 1, MATTEWAN ADDITION, Fresno. Frame dwelling and garage.

Owner—R. W. Haight, 215 N. Angus, Fresno.  
Architect—None.  
Contractor—H. C. Horner, Fresno. COST, \$4000

## DWELLING

LOTS 27 TO 31 BLK 2, Clarendon Park, Fresno. Four frame dwellings.

Owner—J. C. Kennedy, 1026 "N", Fresno.  
Architect—None.  
Day's work. COST, \$2800

## DWELLING

LOT 12, BLK. 33, ALTA VISTA TCT., Fresno. Frame dwelling.

Owner—Augusta Reeder, Fresno.  
Architect—None.  
Day's work. COST, \$4000

## DWELLING &amp; GARAGE

LOTS 6, 7 BLK. 18, ARLINGTON Heights, Fresno. Frame dwelling and garage.

Owner—D. A. Benton, Fresno.  
Architect—None.  
Day's work. COST, \$2200

## NURSES' HOME

LOTS 1 TO 4, IRVINGTON ADDITION, Fresno. Two-story and basement concrete and brick nurses' home.

Owner—Burnett Sanitarium Co., 1224 "8" St., Fresno.  
Architect and Contractor—R. F. Felchin Co., Rowell Bldg., Fresno. COST, \$60,000

## OIL STATION

LOT 7, BLK. 7, VILLA HOMESTEAD Tract, Fresno. Oil station.

Owner—J. P. Cackler, 3362, Belmont, Fresno.  
Architect—None.  
Contractor—G. C. Cannon, 1005 Butler, Fresno. COST, \$1000

## ADDITION

LINDSAY SCHOOL DISTRICT, Fresno County. Addition to school building.

Owner—Board of Trustees, Lindsay School District.  
Architect—None.  
Contractor—W. B. Vaughan.

One-third completed. \$1357.50  
Two-thirds completed. \$1357.50  
Completed. \$1357.50  
TOTAL COST, \$5430

Bond, Sureties, none. Forfeit, \$1, Limit, 75 days. Plans and specifications filed.

## FRAME DWELLING

LOTS 21 TO 24 BLK 1, Hills Addition, Fresno. Frame dwelling.

Owner—H. N. Ruth, 404 Thesta St., Fresno.  
Architect—None.  
Day's work. COST, \$1500

## FRAME DWELLING

LOTS 12, 13 AND 14 BLK 2, Alhambra Tract, Fresno. Frame dwelling and garage.

Owner—Ed. Schwartz, Fresno.  
Architect—None.  
Contractor—F. L. Stone, Mason Bldg., Fresno. COST, \$7000

## FRAME DWELLING

LOT 7 BLK 3, Woodward Addition, Fresno. Frame dwelling and garage.

Owner—F. P. Lamoreux, 1231 "1" St., Fresno.  
Architect—None.  
Contractor—F. J. Stone, Mason Bldg., Fresno. COST, \$3500

## BUILDING

"M" ST. EXTENSION, Fresno. Building.

Owner—Fresno Brewing Co., Premises  
Architect—None.  
Contractor—F. J. Stone, Mason Bldg., Fresno. COST, \$3000

## COMPLETION NOTICES.

## Fresno County.

Recorded. Accepted  
Dec. 16, 1919—LOTS 36 & 37, Acacia, Fresno. F. E. Sadlemeyer to whom it may concern. Dec. 11, 1919

Dec. 15, 1919—FRESNO GAS WORKS. (for plumbing), Fresno. Pacific Gas and Electric Co. to whom it may concern. Dec. 11, 1919

Dec. 15, 1919—N 1/2 LOT 7, Hillcrest Tract, Fresno. Irene and L. H. Phillips to whom it may concern. Dec. 15, 1919

## LEASES FILED.

## Fresno County.

Recorded  
Dec. 12, 1919—NO. 2046 PEARL ST.,  
Fresno. F. W. Anderson vs Lulu  
Starkle .....\$55

## BUILDING CONTRACTS.

## Sacramento County.

FRAME RESIDENCE  
NO. 1035 FORTY-THIRD ST., Sacra-  
mento. One-story seven-room frame  
Owner—M. P. Barret, 1114½ "I" St.,  
Sacramento.  
Architect—None.  
Contractor—J. A. Saunders, 2810 "I"  
St., Sacramento.

COST, \$6750

ICE BOX  
NO. 716 "J" ST., Sacramento. Install  
ice box.  
Owner—P. Daroux, Hotel St. Francis,  
San Francisco.  
Architect—None.  
Contractor—Ed. Book, 2912 "G" St.,  
Sacramento.

COST, \$3500

COMFORT STATION  
NO. 3001 "I" ST., Sacramento. Com-  
fort station.  
Owner—C. J. McClatchy, Sacramento.  
Architect—None.  
Contractor—Associated Oil Co., 1019  
"J" St., Sacramento.

COST, \$1000

BUILDING  
LOT 4, Williamson Tract, Sacramento.  
Building.  
Owner—C. M. Goethe, 720 Capital Bank  
Bldg., Sacramento.  
Architect—None.  
Contractor—A. W. Norris, 3012 "G" St.,  
Sacramento.  
Filed Dec. 13, 19. Dated Dec. 11, '19.  
TOTAL COST, \$2938

REMODEL  
NO. 1012 "K" St., Sacramento. Remodel  
interior of store.  
Owner—Sacramento Hotel, "K" cor.  
10th, Sacramento.  
Architect—None.  
Contractor—Siller Bros., 1614 13th, Sacra-  
mento.

COST, \$3900

RESIDENCE & GARAGE  
LOT 9, SUNNYSIDE TRACT, Sacra-  
mento. One-story frame and stucco  
residence and garage.  
Owner—T. A. Farrell, agent for W. E.  
Trainer, 2115 "M," Sacramento.  
Architect—None.  
Contractor—P. R. Higley.

COST, \$3150

RESIDENCES  
NO. 3252-4 MARSHALL WAY, Sacra-  
mento. Two four-room frame resi-  
dences.  
Owner—B. H. Bell, 906 12th, Sacra-  
mento.  
Architect—None.  
Day's work.

COST, \$1700 each

RESIDENCE  
NO. 2805 "P" ST., Sacramento. Two-  
story, 6-room frame residence.  
Owner—J. P. Collins, 1806 "P" St., Sacra-  
mento.  
Architect—None.  
Contractor—R. M. Smith, 2633 30th,  
Sacramento.

COST, \$6000

REMODEL  
NO. 1321 "K" ST., Sacramento. Re-  
model interior of garage.  
Owner—J. D. Lauppe, Premises.  
Architect—None.  
Contractor—Siller Bros., 1614 13th St.,  
Sacramento.

COST, \$1900

## COMPLETION NOTICES.

## Sacramento County.

Recorded  
Dec. 17, 1919—CALLA SCHOOL DIS-  
trict, Sacramento County. Trus-  
tees of Calla School District to  
Uehls & Van Til, Dec. 6, 1919

## LEASES FILED.

## Sacramento County.

Recorded  
Dec. 12, 1919—LOT 10 BLK 21, Oak  
Park and South Sacramento, Sacra-  
mento. Latourrette-Fical Co vs  
Will Erwin and Jas Sklavas. ..\$58.55

## BUILDING CONTRACTS.

## San Joaquin County.

ALTERATIONS  
VAN BUREN AND FLORA STS., Stock-  
ton. Remodel building.  
Owner—D. G. Johns, 113 S-California  
St., Stockton.  
Architect—None.  
Day's work.

COST, \$3500

## BUILDING CONTRACTS.

## San Joaquin County.

REMODEL  
CALIFORNIA AND CHANNEL STS.,  
Stockton. Remodel.  
Owner—Carrie M. Kuhn, Stockton, Cal.  
Architect—None.  
Day's work

COST, \$3000

## U. S. TRADE BALANCE.

WASHINGTON.—America's trade bal-  
ance for the fiscal year ended last  
June 30 was \$3,978,134,947, "a figure  
never approached in the commerce of  
any nation in the history of the  
world," said the annual report of the  
Secretary of Commerce. New high  
marks were established in both ex-  
ports and imports, exports totaling  
\$7,074,011,529 and imports \$3,095,876,-  
582. Exports to Europe aggregated  
\$4,634,816,841, to North American \$1,-  
291,932,342, to Asia \$602,924,548, and  
to South America \$400,901,601.

VALLEJO BUILDERS' SUPPLY COM-  
PANY ORGANIZED.

FAIRFIELD, Cal.—The Vallejo  
Builders' Supply Company has filed  
articles of incorporation in the County  
Clerk's Office, the personnel being O. B.  
Bradley, H. W. Greene and C. W.  
Greene. The corporation is capitalized  
for \$25,000, for a term of fifty years.  
The purpose of the company is to  
buy and sell plaster, lime and other  
building materials for the erection of  
buildings.

## TIMBER FOR SALE.

PORTLAND, Ore.—Seventy million  
feet of timber on the Breitenbush river  
within the Santiam national forest, has  
just been put up for sale by the Fed-  
eral District Forester, it was an-  
nounced. This is the largest tract to  
be put on the market for several  
months in this district. The timber  
lies on both sides of the Breitenbush  
river a short distance above Detroit,  
largely within the drainage of two  
small creeks, known as Canyon and  
Hansen creeks. It includes 60,000,000  
feet of Douglas fir of medium size  
and fair quality and about 9,000,000  
feet of sugar and Western white pine,  
noble fir, Western red cedar, hemlock  
and silver fir.

REID BROS. HAVE MUCH PROSPEC-  
TIVE WORK.

SAN FRANCISCO.—Architects Reid  
Bros., 105 Montgomery street, are pre-  
paring preliminary plans for the fol-  
lowing buildings to be started within  
the next six months:

A 15-story Class "A" office building  
for the downtown district of San  
Francisco to cost \$500,000.

An eight-story reinforced concrete  
apartment house to be erected in the  
Western Addition, San Francisco, to  
cost \$350,000.

Two large Class "A" theatre build-  
ings to be erected in California cities:  
one to cost \$1,000,000 and the other \$1,-  
250,000 or more.

RINCON HILL REMOVAL DIS-  
CUSSED BY PROPERTY OWNERS.

Work on the removal of Rincon Hill  
in the south of Market district will  
probably be undertaken next year. At  
a recent meeting with the City Engi-  
neer property owners were informed  
that the work would require the re-  
moval of 3,000,000 square yards of earth,  
requiring 18 months to complete, and  
costing approximately \$3,500,000. It  
is expected that property in the district  
will then advance in valuation from  
\$1.00 to \$3.50 a square foot.

## NEW REALTY COMMISSION.

SACRAMENTO, Cal.—The California  
Real Estate Commission, held in sus-  
pense until the legislative act creating  
it was upheld by the State Supreme  
Court, will open its doors in the Capitol  
for business, Commissioner R. L.  
Riley of Colton said. By January 1  
branch offices in Los Angeles and San  
Francisco will be established. License  
applications will be received at once.  
Blank application forms are being  
printed, Riley said.

Telephone Douglas 5114

## Valley Tie &amp; Lumber Co.

Manufacturers and Wholesalers

## Pacific Coast Lumber Products

General Office: Eugene, Oregon

S.F. Office: 401 Balboa Bldg.

F. S. NOLAND, Resident Manager

JOS. MICHEL

W. A. PFEFFER

H. N. PATTE RSON

# Iron

# work

Sidewalk Doors

Elevator Cars

Elevator Enclosures

Store Fronts

Smokestacks

Gratings

Railings

Fences & Grills

Tanks

Wirework

Fire Escapes

Marqueses

Folding Gates

Cast Iron and

Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

## Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum  
General Mill and Cabinet Work, Stock  
Doors, Sash Frames and Mouldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLICH  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MAPLE  
OREGON MAPLE-PLAIN OAK  
QUARTERED OAK-  
WYBROOK BENDING OAK  
POPLAR-WALNUT



BOXWOOD-EBONY-IRONBARK  
JENSENO-RED-SPANISH CEDAR  
LIGNUM-VITAE-MAHOAGANY  
ROSEWOOD-TEAK-RED SEAN  
SPOTTED GUM-COCKSAIN WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WYBRO VENEERED PANELS  
DOWELS-THENAILS-VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

PIERCE-BOSQUIT

## Abstract & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET



# Building & Engineering News

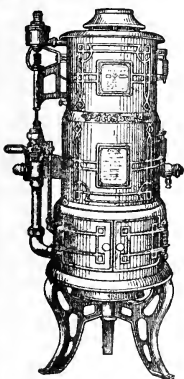
15 Cents Per Copy  
\$4.00 Per Year

Telephone Douglas 2372

Publication Office  
560 Mission Street

San Francisco, Cal., December 31, 1919

Published Every Wednesday  
Nineteenth Year, No 53



## A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

### PITTSBURG WATER HEATER CO.

402 15th Street  
OAKLAND

478 Sutter Street  
SAN FRANCISCO

SEND FOR CATALOGS

## TROJAN EXPLOSIVES

The Most Powerful Made  
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze Will not exude

Will not give off noxious gases

No thawing

No leaking

No headaches

California Trojan Powder Company

Phelan Building  
San Francisco, Cal.

Railway Exchange Building  
Portland, Oregon

Telephone Market 1935

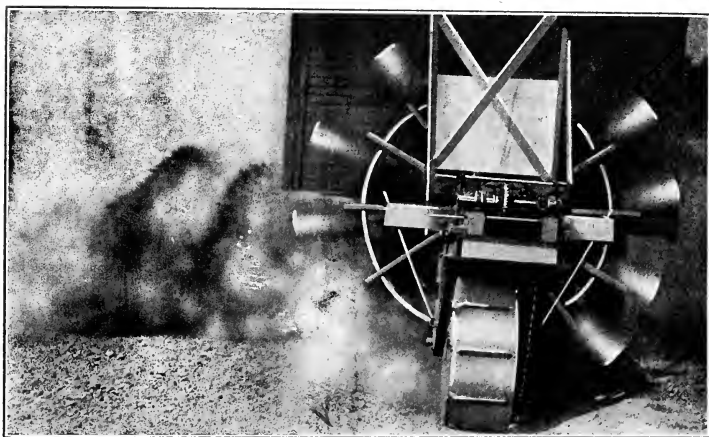
Fine and Sanitary PLUMBING

## Frank J. Klimm PLUMBER

221 Oak Street

Bet. Gough and Octavia

San Francisco



### **HARTSOUGH ROTARY DITCHER**

**IRRIGATION DITCHES.**—Machine will cut an irrigation ditch to a true hydraulic form and by the simple application of a striking board is enabled to deposit the excavated material on the bank at the edge of the cut or leave as much of a berm as is desired. Wide ditches as well as narrow ones can be cut economically with this machine.

**DRAIN DITCHES.**—Machine will cut drainage ditches without embankment, leaving land free to be cultivated up to the edge of the drain ditch. Capacity of Machine will depend largely on character of soil, but under ordinary circumstances it will handle from 200 to 300 cubic yards per hour.

**ROAD CONSTRUCTION.**—Machine can be used by the Road Contractor in many different instances, as its ability to kick a lot of dirt out of the way in a short time will make it invaluable where cuts must be disposed of over the road side whether this be up or down; it should prove a great money saver on road drainage ditches.

**OPERATING COSTS.**—Machine uses Gas or Kerosene for fuel and requires about 2½ gallons per hour. Cost of Lubricating Oils is about half of the fuel cost. Three men can operate the machine, one must be a gas engine man and the others laborers, and Machine can be operated as well at night as in daylight.

In moving from place to place this machine travels on its own power, being a tractor in itself and moving from one to two miles per hour over ordinary roads, and will cross any bridge that will stand the weight of an ordinary truck.

When necessary to load on cars it will do so on its own power.

One of the strong features of this ditcher is its light weight compared to other machines designed to do the same class of work done by this one. The weight ranges from two to four tons according to size.

This ditcher is also adapted to clean ditches that have become fouled with vegetation or filled in with mud and sand.

**For Full Particulars Address**

# **Volute Ditching Machine Co.**

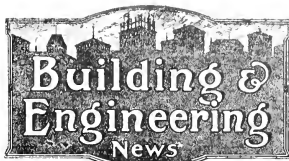
**404 Wells Fargo Express Bldg.**

**SAN FRANCISCO, CAL.**

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.  
L. A. LARSEN,  
Publisher and Proprietor.



Subscription Rates: One year, \$4.00, payable strictly in advance. Single copies, 15c.

SAN FRANCISCO OFFICE  
569 Mission Street.  
Telephone—Douglas 2372.

J. P. FARRELL, ..... Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEAD-QUARTERS.

The convention of the American Association of State Highway Officials held in Louisville early in December, endorsed by resolution a list of recommended salaries for engineers in state highway service prepared by the Committee of the American Association of Engineers in Public Service.

A. N. Johnson, consulting highway engineer of the Portland Cement Association, who is chairman of this committee, in addressing the convention stated that the recommended salaries were established by first selecting three places in the schedule—the highest, the middle position, and the lowest. The highest position was that of the chief engineer of the state highway department; the middle position was "considered to be one requiring an engineer having at least four or five years' experience since graduation from college; a man who it may be expected will be married. Such a position should, therefore, carry with it a salary to enable a young engineer with a small family to live in comfortable and appropriate surroundings." The lowest position was established as one filled by a recent college graduate. The salaries established by these three positions are \$8,000 to \$15,000 for the highest; \$3,600 to \$5,000 for the middle position; and \$1,200 to \$1,500 for the lowest.

"If practical results are to follow suggestions of the American Association of Engineers regarding salaries of engineers in public service or in any other service," said Mr. Johnson, "the first essential is unity of opinion and purpose amongst engineers themselves. One of the chief drawbacks to higher salaries for engineers in public service has been in the past, the opposition of these very engineers themselves. This may seem at first paradoxical, but here is an instance: A legislative committee gives a hearing on the subject of salary increases for a certain position and behold there appears before the committee a number of engineers who state that even lower salaries than those paid at present are paid to engineers, and that engineers may be easily secured for the present salaries. What is a legislator to think?"

"That engineers may be united and present no conflicting testimony and make no contradictory claims is one of the purposes of the American Association of Engineers."

### Recent Railroad Development.

Southwestern Region—Adjustments

have been made by the regional director, effective November 1. Some men received their salaries under the new rates on December 1, and it is probable that most of the others were covered on December 15. It is too early to tell just what the adjustments were, but information received from the Frisco and S. A. & A. P. indicate an average increase of \$25.00 per man.

Poconchos Region—As only 5 questionnaires were received from this region in March it was necessary to postpone action. In September A. A. E. collected 125 questionnaires here and presented the data to the regional director on November 4. In response to the tracer letter of December 5, he has advised as follows:

"I would advise that the matter of adjustments in the engineering department is receiving my attention. Adjustments have been made on the Norfolk & Western and they are now being considered on the Chesapeake & Ohio and the Virginian."

This is the smallest of the seven regions. The three roads above mentioned are the only ones covered in our report to the regional director.

Allegheny Region—As far as we can learn the adjustments made in this region, effective September 1, covered the Penn. Lines west fairly well. A few departments of the B. & O., where salaries had been low, were also included, but no other railroads. The Penn. R. R. section has prepared a careful report on present conditions on their railroad, which Mr. F. M. Sawyer, president P. R. R. section, transmitted to the regional director on December 12, requesting that he take steps to adjust the low salaries on the Penn. Lines East, and reclassify all positions so as to secure more appropriate titles. The B. & O. section plans similar action and has appointed a committee on compensation, of which W. C. Bolin is chairman.

Southern Region—Following our submission of new data to the regional director on September 29, a committee of engineers was appointed to consider the matter. They met in Atlanta late in October and drafted a tentative schedule, which was considered at a meeting of federal managers on December 3, as a result this schedule has been submitted to each federal manager with the request that he make recommendations in accordance therewith.

Eastern Region—1410 new questionnaires were collected from this region in October. Their data were compiled and presented to the regional director on November 26, and the regional di-

rector stated that he would take the matter under consideration. "This data was published in our 'Eastern Region Report.'" It showed, in brief, that the adjustments made in this region, effective July 1, covered less than half of the railroads and less than 35 per cent of the positions, and that present salaries on many railroads, particularly the D. & H., Erie and New England roads, were very low.

It appears that the federal managers were stumbling blocks where no adjustments were made. Therefore, in order to bring pressure on them, national headquarters has asked each railroad section in this region to prepare a report giving detailed recommendations for the adoption of the A. A. E. schedule on their road, and to transmit this report to their federal manager through official channels as soon as possible, with the request that he take immediate action to put their recommendations into effect. It is understood that several of the railroad sections are now doing this. This method much resembles the individual salary increase request used so successfully in the Central Western Region.

## County Road Improvements in California.

### County Good Roads Bond Issue in San Bernardino County.

Year of issue—1914.  
Amount of issue—\$1,750,000.00.  
Length of issue—40 years; average 20 years.  
Miles of roads improved—190.43.  
Miles of concrete roads—94.29.  
Miles of asphalt on concrete base—None.  
Miles of Topeka on concrete base—None.  
Miles of bitulithic on concrete base—None.  
Miles of Topeka on bituminous base—None.  
Miles of bitulithic on bituminous base—None.  
Miles of oil macadam—96.14 miles.  
Miles of water bound macadam—None.  
Bridges built as part of bond issue—None.

Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—

San Bernardino County, California.  
E. T. HAM,  
County Surveyor.

**County Good Roads Bond Issue in Orange County.**

Year of issue—1913.  
Amount of issue—\$1,270,000.  
Length of issue—32 years.  
Miles of road improved—128.73.  
Miles of oiled concrete roads—117.57.  
Miles of grading and gravel—11.56.  
Miles of Topeka on concrete base—  
Miles of bitulithic on concrete base—  
Miles of Topeka on bituminous base  
Miles of bitulithic on bituminous base—

Miles of oil macadam—  
Miles of water bound macadam—  
Bridges built as part of bond issue—

Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—Roads improved by direct tax and Road District Improvement:

	Miles
Concrete .....	40.87
Asphalt-concrete .....	5.60
County Paved .....	167.59
State Highway .....	43.40

Grand Total ..... 210.99

J. L. McBRIDE,  
County Surveyor.

**County Good Roads Bond Issue in Sacramento County, Calif.**

Year of issue—Two issues—1908, 1916.

Amount of issue—First, \$825,000; 2d, \$1,750,000.

Length of issue—First, 40 years; 2d, 25 years.

Miles of roads improved—First, 90; 2d, 124.

Miles of oiled concrete roads—2d issue, 112 miles.

Miles of asphalt on concrete base—None.

Miles of Topeka on concrete base—None.

Miles of bitulithic on concrete base—None.

Miles of Topeka on bituminous base—None.

Miles of bitulithic on bituminous base—1st, 5 miles.

Miles of oil macadam—1st, 85 miles.

Miles of water bound macadam—None.

Bridges built as part of bond issue—

About \$250,000 for bridges.

Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—A third bond issue for \$1,250,000 for concrete base pavement is contemplated.

(Signed) R. W. MORTON.

**County Good Roads Bond Issue in San Joaquin County.**

Year of issue—1909.

Amount of issue—\$1,890,000.00.

Length of issue—Forty years.

Miles of road improved—241 miles.

Miles of oiled concrete roads—0.62.

Miles of asphalt on concrete base—0.43.

Miles of Topeka on concrete base—None.

Miles of bitulithic on concrete base—1.20.

Miles of Topeka on bituminous base  
Miles of bitulithic on bituminous base—

Miles of oil macadam—192.00.  
Miles of water bound macadam—24.00.

Bridges built as part of bond issue—  
Any further information that will

give the public the correct idea of the scope, magnitude and importance of the work done—Asphaltic macadam or Warrentine, 22.35.

Since 1909 the Board of Supervisors have constructed some 135 miles of road from funds other than bond money, giving San Joaquin County about 376 miles of roads. The 135 miles is about equally divided between oiled macadam and gravel roads.

The maintenance of all improved roads is in charge of the County Surveyor and systematically conducted by a Maintenance Department.

F. E. QUAIL,  
County Surveyor.

**Kings County Good Roads Bond Issue.**

Year of issue—1915.

Amount of issue—\$672,000.

Length of issue—25 years.

Miles of roads improved—103.8.

Miles of oiled concrete roads—

Miles of asphalt on concrete base—

Miles of Topeka on concrete base—

Miles of bitulithic on concrete base—

Miles of Topeka on bituminous base—103.8.

Miles of bitulithic on bituminous base—

Miles of oil macadam—

Miles of water bound macadam—

Bridges built as part of bond issue—\$77,529.80.

Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—

Bond issue ..... \$672,000.00  
Premium ..... 9,482.25  
Sale of plans ..... 395.00  
County general special tax, 220,329.07

Total ..... \$902,206.32

RAY MAY,  
County Surveyor.

**Adopt Resolutions as Favoring New City Charter.**

Indorsement of the commission-manager form of city government and the placing of the organization on record as urging the city of Fresno to appoint freeholders to recommend that plan, was achieved Saturday night at the meeting of the Fresno Chapter, American Association of Engineers, when a resolution to that effect was passed.

Following is the text of the resolution as introduced by delegates of the engineers present at the mass meeting of seventeen which considered the charter situation last Wednesday night.

Resolved, That the Fresno Chapter, of the American Association of Engineers, favors the election of freeholders to submit a new charter for the city of Fresno;

Resolved, Further, that they place themselves on record as favoring the commission-manager form of government.

Following the introduction of the report of the delegates at the mass meeting, there was general discussion held on the city charter question, with the result that the resolution was adopted and a committee appointed to act for the association in matters of import to the adoption of a new charter by the city. The following were appointed as members to serve on the charter committee of the Fresno Chapter: Charles L. Kaupke, State Water Engineer of Fresno; A. R. Morrison, of

the State Highway Commission, and E. L. Chelgren, assistant engineer of the Southern Pacific Company. The first two men were in attendance at the mass meeting called for the purpose of consulting with the charter study committee of the Fresno County Chamber of Commerce and the city officials on the subject of a new charter adoption.—Fresno Republican, December 22, 1915.

**ASPHALTIC CONCRETE BASE IN CALIFORNIA.**

(Reprint from Autocraft and Aircraft for December 1915.)

While the use of asphaltic concrete for pavement bases has been a more or less well established custom in California for a great many years and is today in use in over fifty municipalities, yet it is a fact that text books which are recognized as authorities on paving and highway construction give scant or no consideration to this very useful type of base.

This is no doubt due to the fact that most of our text books are written by eastern engineers whose experiences have been largely confined to eastern conditions and practices.

Too often, too, the true asphaltic concrete base has been confounded with the bituminous macadam base, which is distinctly unfair to it, and the asphalt concrete has suffered accordingly in popular esteem.

A true asphaltic concrete, often called "black" base to differentiate it from Hydraulic Cement Concrete or "white" base, is composed of asphaltic cement, a proportion of fine mineral aggregate passing a quarter-inch screen and a proportion of coarse mineral aggregate approximately double the quantity of the fine aggregate, and ranging in size from that rejected by a quarter-inch screen to that passing, say, a two and one-half inch mesh screen. All of the above material is heated and plant mixed.

A specification adopted by the City of Los Angeles and quite generally followed for an asphaltic concrete base is given as a typical example of good practice, and is as follows:

"(a) Composition. Asphaltic concrete base shall be composed of asphalt cement, broken stone and sand in the following proportions by weight:

Mineral Aggregate—	Per cent.
Asphalt Cement .....	4 1/2 to 6
Passing a 10" mesh screen.....	20 to 30
Passing a 3/4" screen and retained on a 10-mesh screen. 6 to 20	
Passing a 1/2" mesh screen and retained on a 3/4" screen.....	10 to 20
Passing a 1" screen and retained on a 1 1/2" screen.....	20 to 40
Passing a 2" screen and retained on a 1" screen.....	5 to 25

(b) Mixing. The different sizes of stone shall be kept in at least two (2) separate bins and 10-mesh material in a third bin. The proportioning of the various sizes shall be done by means of multiple beam scales. The broken stones and sand shall be heated to a temperature between two hundred twenty-five (225) and two hundred seventy-five (275) degrees Fahrenheit and shall be placed in a mixer, and the required asphalt cement added. The asphalt cement shall have been prepared for use by previously heating to a temperature of not more than three

hundred twenty-five (325) degrees Fahrenheit and when used the asphalt cement shall be not colder than two hundred eighty-five (285) degrees Fahrenheit. Each batch shall be mixed at least sixty seconds with the paddles of the mixer running at a speed of not less than seventy-five (75) nor more than ninety (90) revolutions per minute. In addition at least ten (10) seconds shall be allowed on each batch for charging and emptying the mixer.

(c) Laying. The mixture shall be hauled to the street in canvas covered wagons or trucks and shall have a temperature when it reaches the street of not less than two hundred twenty-five (225) degrees Fahrenheit. The mixture shall be dumped on metal platforms. It shall then be uniformly spread upon a subgrade prepared as hereinbefore specified with hot shovels or forks to such a depth that after rolling to its ultimate compression it will have the thickness shown upon the cross section. The surface must be smooth and uniform, corresponding with the elevations required by the plans.

(d) Rolling. After the base has been spread it shall be immediately and thoroughly rolled with a roller weighing not less than eight (8) tons and having a weight of not less than two hundred ten (210) pounds per linear inch width of tire. While still hot the entire surface of the base shall be re-rolled with a roller weighing not less than twelve (12) tons and having a weight of four hundred (400) pounds per linear inch width of tire. The rolling must be continued until no movement is perceptible. Any portion of the base not absolutely unyielding under the roller must be removed and replaced. The specific gravity of the base when rolling has been completed shall be not less than eighty-eight (88) per cent of the specific gravity of the combined stone and sand contained in the base.

(e) Protection. The base shall be kept barricaded until the wearing surface is laid.

The result is a firmly compacted base both solid and waterproof, but to a certain extent flexible, so that any slight settlement does not affect its cohesion, supporting power, nor the adhesion of the surface course.

A rational use of this base, as in any other type of base, would contemplate its construction on a sub-grade of normal firmness, or that after proper compacting, will maintain a firmness. Too often this condition is not obtained, due to a weakening in the sub-grade, caused by infiltration of water or by drying out due to evaporation of the water used for compacting.

It must be borne in mind that this base is practically waterproof and that a sub-grade normally stable will not change through surface infiltration, though it may be ruined from side infiltration.

As regards cost, the black base type of construction is, for equal thickness, usually slightly cheaper than an unsurfaced hydraulic cement concrete pavement, and considerably cheaper than the white base with a wearing surface of one and one-half or two inches in thickness.

As to durability, California experience would seem to indicate that, when properly constructed, it is more durable than hydraulic cement concrete.

The base has been laid of varying thickness of from two and one-half to five inches, but in general it is not considered good practice to lay a base more than three and one-half inches thick in one course, because the chilling of the mixture may prevent the necessary compression being obtained.

This base may be surfaced with either Warrenite-Bitulithic, Sheet Asphalt or Topeka, the first being the most generally used and giving the greatest satisfaction, probably due to the close and rigid inspection given to it by Warren Brothers Company. For California conditions there is no question but that this type of construction is well adapted not only to city streets, but to use in highway construction and has proved both adequate to the traffic and economical in construction and maintenance, and this is particularly true where the soil is adobe or heavy loam.

One of the earliest examples of this type of construction in central California is at Visalia. This pavement was laid in 1896, and has been subjected to the continuous mixed traffic of a county seat, and still presents a first-class appearance.

As originally constructed it consisted of a four-inch base composed of gravel, sand and refined asphalt, all plant mixed, with a two-inch wearing surface.

In Southern California at Pasadena one of the oldest examples is a one-course pavement which has been under traffic for some fourteen years and seems good for another term.

Some sections of highway of this type through Orange County have been in use from five to eight years, are in good condition, and are preferred by motorists over adjoining hydraulic cement concrete state highway constructed within the last three years.

In the City of Los Angeles, Lake Shore avenue is a typical example of the best type. Another Los Angeles example is a street at San Pedro leading to the government harbor fortifications. This pavement is an asphaltic concrete base three inches in thickness with a Warrenite-bitulithic wearing surface two inches in thickness, all laid on well-rolled adobe soil. In addition to normal traffic, this paving was, immediately after completion, subjected to the hauling of some thirty thousand tons of building material for the fortifications, most of which was carried on five-ton trucks. Later the fourteen-inch coast defense guns, weighing some sixty tons each, were hauled over this pavement, which today is in good condition.

In Northern California an excellent example is a strip of highway about eight miles long between the cities of Sacramento and Stockton. This pavement is a strip of bituminous concrete (natural bitumen being used instead of refined asphalt) about five inches in thickness. It has been in use some seven or eight years, carries all the traffic between the two named cities, and is in excellent condition.

Another example is the paving of a portion of "M" street in the city of Sacramento about a mile in length laid in 1905. This pavement consists of a three-inch black base and a one-and-one-half inch wearing surface and after fourteen years of use is in excellent condition.

While, as stated, many cities of the state have used an asphaltic concrete base construction, it remained for Kings County to most strikingly show its faith in this type.

Kings County occupying very largely the old bed of Tulare Lake, possesses wonderfully rich soil, but in some cases the ground water comes right up to the surface. Despite this condition the county constructed its highway system of asphaltic concrete four inches in thickness with a small amount of thicker pavement. This highway was constructed in 1916-18, at about the same time that the concrete state highway, four inches in thickness, was constructed through this county.

The total mileage of highway constructed amounts to 103.8 miles, of which by far the larger portion consists of a pavement sixteen feet in width, composed of an asphaltic concrete base two and one-half inches in thickness and a wearing surface one and one-half inches in thickness.

This is, of course, an extremely light construction, and considering the saturated conditions of soil over certain parts of the county covered by the road system, the building of so light a pavement might be open to criticism.

While it is true that certain small portions of this road have failed entirely, this has occurred only on sections subject to saturation from ground water which greater experience in highway construction would have caused the engineers to reinforce with a sub-base of rock or gravel sufficient to maintain a solid foundation. The failure serves rather to illustrate the folly of specifying a standard type of construction for an entire road system, where it can be noted that conditions of soil and traffic are not uniform in all sections of the system, and that certain discretion must be exercised by the engineer on all successful construction.

On the whole, the Kings County road system is a success, and has been maintained at a remarkably low cost, and far below that of the state constructed concrete highway of the same width and thickness.

Other advantages of the type which are of considerable importance are as follows:

Bases may be thinner than hydraulic cement concrete and yet not crumble.

The base is flexible and therefore not easily shattered by general settlement, as in the case of fills or adobe soil. The base is always in contact with the sub-grade, a condition which does not obtain with a rigid base.

Depressions may be filled up without renewing the base, by simply adding a patch to the surface.

There is perfect adhesion between the base and the surface.

The completed pavement is a tough elastic sheet, well able to absorb shock.

The pavement is waterproof.

The paving is easier riding, not so hard on horses, and presents a pleasing appearance.

The pavement will not buckle during hot weather, and if properly surfaced is unaffected by heat or cold.

Its long and successful use signifies that it is not an experiment and when built under careful engineering design and supervision, its maintenance cost is very low, and it will outlive any reasonable bond issue.

# American Association of Engineers

The Technical Engineers' Service Organization.

## Officers.

DR. F. H. NEWELL, University of Illinois, Urbana, Ill.	PRESIDENT
W. W. DeBERARD, Western Editor Engineering News-Record, Chicago	FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago	SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago	TREASURER
C. E. DRAYER	SECRETARY

## Directors.

W. H. Finlay, President, C. & N. W. Ry., Chicago, Ill., Past President.	E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.	C. H. Crawford, Baldwin Loco. Works, Philadelphia
P. E. Harroun, Consulting Egn. San Francisco, Cal.	Harold Almert, Consulting Eng., Chicago.
R. Burnham, Consulting Eng., Chicago, Ill.	F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry., Minneapolis.
F. D. Richards, Bridge Eng., City of Cleveland.	J. H. Prior, Consulting Eng., Chicago.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.	Alexander Potter, Civil Eng., New York City.
	J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

63 East Adams St.

Chicago, Ill.

## San Francisco Chapter, A. A. E.

J. H. KNOWLES, Chief Engineer Western Pacific R. R., S. F., Cal.	PRESIDENT
A. G. MOTT, Asst. Engineer Coast Div. S. P. R. R., S. F., Cal.	SECRETARY
O. R. WEST, Asst. Engineer A. T. & S. F. R. R., S. F., Cal.	TREASURER
L. D. HOWLAND, Engineer, C. C. Moore Co.	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co.	THIRD VICE-PRESIDENT

### EXECUTIVE COMMITTEE

J. H. Knowles.....W. P. R. R.
F. Johnston.....Union Const. Co.
L. D. Howland.....C. C. Moore Co.
I. G. Grundel.....Union Oil Co.

### AUDITING COMMITTEE

T. H. Brown.....S. P. R. R.
E. B. Crane.....C. M. & P. S. Ry.
P. J. Rowell.....I. C. C.

### COMPENSATION COMMITTEE

G. M. Nelson.....Consulting Eng.
E. V. Vandercook.....S. P. R. R.
W. T. Cleland.....
Chief Dep. Sur. Santa Clara Co.
V. D. Cousins.....P. T. & T. Co.

### FELLOWSHIP COMMITTEE

W. H. Rupp.....S. P. R. R.
EMPLOYMENT REPRESENTATIVE

### MEMBERSHIP COMMITTEE

D. L. Reynolds.....Pac. Fruit Ex. Co.
J. Amweg.....Consulting Eng.
W. H. Rupp.....S. P. R. R.
E. D. Brown.....Redwood Mfrs. Co.
Clarence D. Stone.....S. P. Co.
A. E. Hartley.....S. P. Co.
H. W. Shrieber.....City of Oakland.
F. E. Gelbel.....S. F. Co.
C. B. Newberry.....Inter. Com. Com.
J. F. Johnston.....Union Const. Co.
E. V. Vandercook.....S. P. Co.

### INTER-CHAPTER ADJUSTMENT COMMITTEE

A. G. Mott.....S. P. Co.
O. R. West.....A. T. & S. F. Co.
W. S. Wellner.....N. W. P. Co.

### QUALIFICATION COMMITTEE

W. H. Phelps.....S. P. Co.
O. R. West.....A. T. & S. F. Co.

### PUBLICITY COMMITTEE

E. D. Brown.....Redwood Mfg. Co.
G. M. Nelson.....Consulting Eng.

### POLITICAL COMMITTEE

E. H. Herbert.....Oliver Mfg. Co.
-----------------------------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

## CHAPTERS & CLUBS:

### SACRAMENTO CHAPTER

Lathrop, H. A.....Secretary
1321 Thirty-third St.,
Sacramento - California

### LOS ANGELES CHAPTER

Harris, A. L.....Secretary
1104 Central Building
Los Angeles - California

### PORTLAND CHAPTER

Barnes, R. W.....Sec. & Treas.
35 Union Station
Portland - Oregon

### FRESNO CHAPTER

Jean L. Vincenz.....Secretary
P. O. Box 922
Fresno - California

### SAN DIEGO CHAPTER

Grumm, Fred.....Secretary
2928 Spruce Street
San Diego - California

### SAN BERNARDINO CLUB

Woods, M. A.....Secretary
608 Tenth Street
San Bernardino - California

### EUREKA CLUB

Howard, F. W.....Secretary
Eureka - California

# ADVANCE NEWS

## Official Proposals, Etc.

### BUILDING.

#### APARTMENT HOUSES.

Contract Awarded.

**APARTMENT HOUSE.** Cost, \$45,000  
**BAKERSFIELD,** Kern Co., Cal. Two-story apartment house (12 apts.)

Owner—Mrs. Charlotte E. Jameson, 124 B St., Bakersfield.

Architect—None.

Contractor—Geo. R. Harris, Bakersfield.

Contract Awarded.

**APARTMENT HOUSE.** Cost, \$35,000  
**BAKERSFIELD,** Kern Co., Cal. W 19th street.

Two-story brick and hollow tile apartment house.

Owner—Grace A. McCormick.

Architect—None.

Contractor—Geo. R. Harris, Bakersfield, Cal.

Completing Plans.

**APARTMENTS.** Cost, \$300,000  
**SAN FRANCISCO.** NW Post and Ophir Streets, bet. Jones and Taylor.

Eight-story class "B" reinforced concrete apartment house, 60x60 (150 rooms, 2-room apts.)

Owner—A. F. Rousseau.

Architects—Rousseau & Rousseau, 119 Sutter Street, San Francisco.

NOTE—Work will be done by days labor and sub-contracts.

Plans Prepared.

**APARTMENTS.** Cost, \$50,000  
**SAN FRANCISCO.** Baker and Green Streets.

Three-story frame apartment house (12 4-room apts.).

Owner—J. Devencenzi, 1069 Union St., San Francisco.

Architect—Leonard H. Thomas, Russ Bldg., San Francisco.

Segregated Figures to be Taken by Owner.

**APARTMENT HOUSE.** Cost, \$30,000  
**SAN FRANCISCO.** S. Sacramento bet. Fillmore and Steiner.

Two-story and basement frame and Plaster Apt. House, 8 4-room Apts. Six garages in basement.

Owner—Jefferson W. Asher.

Architect—C. O. Clausen, Hearst Bldg. Mr. Asher will take figures in about ten days and wants catalogues and samples of all materials, heating systems etc. immediately.

Plans Being Figured.

**APARTMENTS.** Cost \$——  
**SEATTLE.** Wash., S. E. Boylston Ave. and Howell.

Three-story and basement brick veneer (12 2 and 3 room Apts.).

Owner—C. A. Neal.

Architect—V. W. Voorhees, Eitel Bldg., Seattle, Wash.

### BANKS

Segregated Figures Being Taken.

**BANK BLDG.** Cost, \$100,000  
**HEALSBURG,** Sonoma Co., Cal. West and Powell Streets.

One-story brick and hollow tile bank building, 60x100.

Owner—Headsburg National & Savings Bank.

Architect—Fred'k. H. Meyer, Bankers' Invest. Bldg., San Francisco.

### BONDS

**NOGALES, Ariz.**—An election will be held January 15 to vote on issuing \$350,000 bonds for civic improvements including extensions to the municipal water system and the erection of a city hall.

**CHICO, Butte Co., Cal.**—The \$440,000 bond issue of the Chico High School District has been sold by the County Supervisors for a premium of \$5,100.

Plans for the structure to be erected from the proceeds of the sale are being prepared by Architects Woollett & Lamb, Physicians' Bldg., Sacramento.

**MARTINEZ, Contra Costa Co., Cal.**—The \$125,000 bond issue of the Alhambra Union High School District has been sold by the County Supervisors and construction of the building to be erected under the issue will be started by March, 1920, from plans prepared by Architect A. A. Cantin, 68 Post St., San Francisco.

**ELK GROVE, Sacramento Co., Cal.**—The \$175,000 bond election to provide funds with which to erect a new union high school has been defeated.

Plans were prepared by Architect George C. Sellon, 1005 8th St., Sacramento.

**EAGLE ROCK CITY, Los Angeles Co., Cal.**—At a mass meeting of citizens called to consider additions to the high school a committee was appointed to investigate the matter of securing additional land. An estimate of the cost of the proposed additions was submitted as follows: Administration building with auditorium to seat 2500, \$126,000; science hall containing eight class rooms, \$91,383; central heating plant, \$30,000; remodeling present administration building, \$5000; gymnasium, \$32,000; equipment and furniture, \$25,000.

**SACRAMENTO, Cal.**—The State Advisory Board has asked Governor Stephens to authorize the State Treasurer to sell \$12,000,000 highway bonds and make available \$1,000,000 each month for highway construction during 1920.

**WHITTIER, Los Angeles Co., Cal.**—The \$316,614 bonds voted for extensions to the municipal water system and for increasing the water supply

were sold to the Bank of Italy and the Wm. B. Staats Co., bidding jointly. J. B. Lippincott, Central Bldg. Los Angeles, is the engineer.

**MAXWELL, Colusa Co., Cal.**—An election will be held January 31st in the Maxwell Union High School District to decide the question of issuing and selling bonds of \$60,000 with which to finance construction of a new school building.

**PITTSBURG, Contra Costa Co., Cal.**—January 20th is the date set by the City Trustees to secure funds with which to finance the erection of a memorial building, new city hall, paving the principal streets, purchase of municipal water plant, construction of sewers, purchase of street cleaning machinery, erection of municipal wharf and the purchase of additional fire equipment.

**SAN JOSE, Santa Clara Co., Cal.**—The Board of Education is contemplating the purchase of the entire block bounded by Eighth, Ninth, San Fernando and San Antonio streets, on which to erect additional school buildings.

A bond election to be held the early part of the next year is planned to secure funds with which to finance the proposed work.

C. S. Allen is president of the High School Board.

**SAN ANSELMO, Marin Co., Cal.**—At the recent road and bridge bond election all propositions failed with the exception of the county road project, which will provide funds to finance construction of the work.

**ORLAND, Glenn Co., Cal.**—December 31st is the date set to decide the question of issuing and selling bonds of 42,000 with which to finance construction of a new grammar school building.

**TUCSON, Ariz.**—The \$1,500,000 Pima County highway bond issue was sold to Hornblower & Weeks at a premium of \$8500, the bonds to be delivered in lots of \$300,000 at intervals in 1920. The same firm offered a premium of \$16,700 for immediate delivery of the bonds.

**SOLOMONSVILLE, Ariz.**—The \$250,000 Graham County highway bonds carried at a special election.

**YUMA, Ariz.**—The \$1,200,000 Yuma County highway bond issue was sold to Brown-Krummer Co. of Wichita, Kas., and Graves, Blanchet & Thornburg of Toledo, Ohio, at par and an allowance of \$18,000 for services. Two other bids were received at par, both bidder asking an allowance of about \$36,000 each for services.

**SAN FRANCISCO**—Architects O'Brien Bros., 240 Montgomery St., are working on preliminary plans and leases for

## BUILDING AND ENGINEERING NEWS

the improvement of the entire block bounded by Market, Mission, 11th and 12th streets, by erecting manufacturing and industrial buildings.

**ALAMEDA.** Alameda Co., Cal.—The City Council has called an election for January 31st to secure authorization to grant the Federal Government sufficient tide land acreage for the establishment of the \$58,000,000 contemplated naval base.

### CHURCHES

Contract Awarded.  
**CHURCH** Cost, \$50,000  
**HOLLYWOOD.** Los Angeles Co., Cal.  
Hollywood Blvd. & Sycamore Ave.  
Two-story and basement hollow tile church, 56x130.  
Owner—Hollywood Congregational Church.  
Architect—Homer W. Glidden, Wright & Callender Bldg., Los Angeles.  
Contractor—Houghton & Anderson, 143 Rose St., Los Angeles.

Contract Awarded.  
**CHURCH** Cost, \$65,000  
**KINGSBURG.** Fresno Co., Cal. East Draper Street.  
Church building (Italian Campanile Architecture).  
Owner—Baptist Church of Kingsburg.  
Architect—Anton Johnson, Kingsburg.  
Contractor—Palm Bros., Kingsburg.

**VALLEJO.** Solano Co., Cal.—Plans are being outlined by the Sons and Daughters of Israel to start a campaign for funds with which to erect a new synagogue in this city.

### FACTORIES AND WAREHOUSES.

Contract Awarded.  
**STORAGE BLDG.** Cost, \$—  
**LOS ANGELES.** Market and Alameda Streets.  
One-story brick storage building, 100 x 100.  
Owner—Los Angeles Warehouse Co.  
Architects—Wm. Curlett & Son, 525 Merchants Nat'l. Bank Bldg., Los Angeles.  
Contractor—C. J. Kubach Co., 701 Merchants National Bank Bldg., Los Angeles.

**RED BLUFF.** Tehama Co., Cal.—The Associated Oil Company has purchased a site near the northern boundary of Red Bluff and plans the erection of a \$25,000 distributing station.

Donald Stewart is local manager for the Associated Company.

Contract Awarded.  
**FIREPROOF BLDG.** Cost, \$1,350,000  
**PORTLAND.** Ore.  
Eight-story fireproof building, 280x600 (1st unit).

Owner—Montgomery Ward Co., J. Patterson, Portland Representative.  
Architect—Wm. H. McCaully, Chicago.  
Contractor—Wells Bros., Co., Chicago.  
**NOTE.**—The contractors have opened offices in the Yeon Bldg., Portland. The plant completed will cost \$5,000,000.

Plans Being Placed. Bids Close Jan. 2, 1929, 9 A. M.  
**WAREHOUSE** Cost, \$—  
**TURLOCK.** Stanislaus Co., Cal. Delhi Colony, 6 miles South of Turlock.  
Furnigated galvanized iron warehouse, 50x100.

Owner—State Land Settlement Board.  
Farmstead Engineer—Max E. Cook, Turlock.

Contract Awarded. Sub-figures Being Taken.

**FACTORY ADDITION** Cost, \$75,000  
**EMERYVILLE.** Alameda Co., Cal.  
Harlan and Park Streets.

One-story reinforced concrete factory building (addition to present plant).

Owner—Western Canning Co., Frem.  
Architect—None.

Contractor—P. J. Walker, Co., Mo-nadnock Bldg., San Francisco.

Plans Being Prepared.  
**MILL** Cost, \$1,000,000

**STOCKTON.** San Joaquin Co., Cal.  
Church St. bet. McDougall and Stockton Sts.

Fireproof mill (addition to present plant).

Owner—National Paper Products Co., Premises.

Architect—Architectural Department of Owner.

It is planned to start construction this Spring.

To be Done by Day Labor and Sub-Contract.

**CANNERY** Cost, \$—  
**SAN LEANDRO.** Alameda Co., Cal.  
Alvarado St. bet. Parrott and Thornton Sts.

One-story Heath tile cannery, 300x75, and one-story boiler room, 60x25.

Owner—San Leandro Canning Co. (L. J. and J. C. Toffelmier and L. Perillo)  
Architect & Supt. of Constr.—Leonard E. Thomas, Russ Bldg., San Francisco.

The foundation has been completed. Tile will be supplied by the California Brick Co., and the lumber by the Van Arsdale-Harris Lumber Co.

The roof will be supported by wooden columns.

Figures for the erection of the tile walls and concrete floors will be called for later.

Plans Being Re-Figured.  
**WAREHOUSE** Cost, \$—

**OAKLAND.** Alameda Co., Cal. 40th and Diamond Streets.

Six-story reinforced concrete warehouse (flat slab type).

Owner—Student Express Co.  
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Prepared. To be done by Days Labor and Sub-contracts.

**FACTORY.** Cost, \$—  
**LOS ANGELES.** 14th and McGarry Sts.  
Three-story Class "C" brick warehouse and factory (60x126).

Owner—Robert Bros.  
Architect—J. M. Cooper, Marsh-Strong Bldg., Los Angeles.

**BAKERSFIELD.** Kern Co., Cal.—The San Joaquin Light & Power Corporation, 1801 Tulare St., Fresno, will expend \$1,000,000 at once for construction of an addition to its natural gas and oil burning steam plant in Bakersfield in order to utilize some of the natural gas now going to waste in the new Elk Hill territory. A. G. Wishon is general manager.

**VISALIA.** Tulare Co., Cal.—The California Packing Corporation will spend \$180,000 remodeling and re-equipping

the plants of the Central California Cannery and the California Fruit Cannery Association in Visalia. Henry Hohlwieser is manager of the last named branch of the corporation.

**LODI.** San Joaquin Co., Cal.—The Lodi Canning Co., Lodi, is planning the following improvements to its plant, the total cost of which is \$15,000.

The money will be spent as follows: Addition to the cannery, \$4,000; new boilers, \$1,000; warehouse, \$5,000; cooling plant, \$5,000; and garage, \$200.

### FIREHOUSES AND JAILS

Preliminary Plans Prepared.  
**FIRE STATIONS** Cost, \$12,000 each approximately.

**PORTLAND.** Ore. Various sections of the city.

Ten Fireproof Fire Stations.  
Owner—City of Portland.  
Designer—Lee Holden, Chief of Fire Dept., City Hall, Portland, Ore.

### GARAGES

Plans to Be Prepared.  
**GARAGE.** Cost, \$10,000  
**COLUSA.** Colusa Co., Cal. NE Fifth and Oak streets.

Fireproof garage.  
Owner—C. W. Merrill, Colusa, Cal. To be leased to E. A. Boyd.  
Architect—Not given.

Owner Taking Sub-Figures.  
**GARAGE** Cost, \$—  
**SAN FRANCISCO.** N. Washington St. W. of Jones.

Two-story reinforced concrete garage.  
Owner—J. Pasqualetti, Humboldt Bank Bldg., San Francisco.  
Pierre Zucco, 166 Geary St., is preparing the engineering plans.

### GOVERNMENT WORK AND SUPPLIES

**SEATTLE.** Wash.—Bids will be received by the General Purchasing Agent of the Alaskan Engineering Commission, Seattle, up to 11 A. M., January 18th, under Circular No. 397 for furnishing and delivering locomotives, wreckers, ditcher and aerial tramways.

Copy of official call for bids may be seen at this office.

**PANAMA CIRCULAR 1324.**—Panama Canal, Washington, D. C. Office of the General Purchasing Officer.—Bids are wanted until January 9, circular 1324, for furnishing bronze, cast iron pipe, wrought iron pipe, steel pipe, lead pipe, steel tubing, brass tubing, copper tubing, copper pipe, track spikes, track bolts, nails, chain, steel rope, steel wire, copper screening, pipe fittings, cocks, valves, scythe blades, drills, files, hammers, bolt cutter jaws, pliers, machetes, reamers, spades, taps, wrenches, bed casters, salt bricks, flaps bricks, horsehide gloves, rubber boots, rubber tubing, manila rope, oakum, calking cotton, steam packing, ships felt, cork board, roofing cement, lime, pitch and paper. For information address above.

**SAN DIEGO.** Cal.—Lange & Bergstrom, Timken Bldg., San Diego and Shanon Bldg., San Francisco, submitted the lowest bid at \$209,000 to the Pub-



lie Works Officer, Twelfth Naval District, Timken Bldg., San Diego, for constructing a reinforced concrete central building at the marine base on Dutch Flats, San Diego. The Kerr Construction Co., submitted the only other bid at \$221,888. No bids were received at Washington.

WASHINGTON, D. C.—Bids received under Bureau of Yards and Docks Specification No. 2982 for electric lighting and power system in structural shop at Mare Island, Calif., Navy Yard, have been rejected. The low bid for the work was submitted by The Carleton Mace Engineering Co., of Boston at \$48,000, limit 120 days.

**SUPPLIES FOR THE NAVY**—Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows: (Closing date noted at end of each paragraph.)

Schedule 4701, for eastern and western yards, miscellaneous carbon and tungsten tool steel, opening of January 13.

Schedule 5234, for Mare Island, 2 air compressors, opening of January 16.

Schedule 5247, for Mare Island, 2 filament heating furnaces, opening of January 13.

Schedule 5248, for Mare Island, 1 plate furnace with blower, opening of January 13.

Schedule 5249, for Mare Island, 1 angle furnace, opening of January 13.

Schedule 5256, for eastern and western yards, miscellaneous hose expanders, opening of January 2.

Schedule 5264, for eastern and western yards, miscellaneous carbonite blocks and rods, opening of January 16.

Schedule 5265, for eastern and western yards, welding flux and welding rod and wire, opening of January 16.

Schedule 5266, for eastern and western yards, cutting and welding torches, igniters and tips, opening of January 16.

Schedule 5267, for eastern and western yards, cutting and welding regulators, opening of January 16.

Schedule 5269, for eastern and western yards, 294 goggles, opening of January 16.

Schedule 5273, for eastern and western yards, electric soldering irons, opening of January 13.

Schedule 5274, for eastern and western yards, soldering coppers and soldering pots, opening of January 16.

Schedule 5275, for eastern and western yards, C clamps, breast drills and file handles, opening of January 16.

Schedule 5276, for eastern and western yards, scratch awls, 1,532 machinists' chisels, 1,173 nail pullers, rivet sets and headers, ship scrapers and 81 blacksmiths' tongs, opening of January 16.

Schedule 5278, for eastern and western yards, chain hoists, opening of January 16.

Schedule 5279, for Puget Sound, 36 chain hoists, opening of January 20.

Schedule 5286, for Mare Island, 15,000 square feet wire cloth, opening of January 13.

Schedule 5287, for Mare Island, miscellaneous nickel chromium wire, opening of January 13.

Schedule 5288, for Mare Island, miscellaneous radio equipment, opening of January 13.

Schedule 5289, for Mare Island, 2,100 pounds seamless copper tubing, opening of January 13.

Schedule 5291, for Mare Island, 3,500 feet creosoted piles, opening of January 16.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

Preliminary Plans Being Prepared.

**STOREHOUSE** Cost, \$50,000  
MARE ISLAND, Cal. Near Causeway.

Storehouse (Type of Construction Not Decided).

Owner—United States Government,

(Navy Dept.)

Architect—Public Works Office, Mare Island.

The Navy Department has requested the Public Works Office of Mare Island to submit estimates on the construction

The storehouse will be for the storage of rope and cordage and is in addition to the one recently authorized by the Department for the storage of transcontinental freight to the yard via the causeway.

It has not been decided whether the work will be done by contract or force account.

**SEATTLE, Wash.**—Bids will be received by the General Purchasing Agent, Alaskan Engineering Commission, Seattle, Wash., up to January 5th, 11th A. M., for furnishing Mazda lamps, miscellaneous electrical supplies, copper wire, packing and I-beams under Circular No. 386.

Copy of official call for bids on file in this office.

## HALLS AND SOCIETY BUILDINGS

To be Done by Sub-Contracts.

Y. M. C. A. BLDG. Cost, \$200,000  
POMONA, Los Angeles Co., Cal.

Three-story and basement brick and terra cotta Y. M. C. A. Building, 160 x 122.

Owner—Y. M. C. A.

Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Excavation will be started this week.

Plans Being Prepared.

LODGE HALL, ETC. Cost, \$50,000  
BEND, Oregon.

Fireproof lodge hall and stores.

Owner—Elks' Lodge of Bend.

Architect—Lee Thomas, Bend, Ore.

Plans Complete. Ready for Figures  
Next Month.

LODGE & OFFICE BLDG.

Cost, \$250,000 or more.  
MODESTO, Stanislaus Co., Cal. 11th and "I" Streets.

Five-story Class "A" reinforced concrete lodge and office building with roof garden.

Owner—Moose Lodge.

Architects—J. J. Donovan, Perry Bldg., Oakland, and A. J. Mazurette of Modesto, Associate.

Completing Plans.

CLUB HOUSE Cost, \$5—  
LOS ANGELES, W. of Le Brea Blvd. and N. of Temple Street.

Frame and stucco club house.

Owner—Wilshire County Club.

Architects—Hunt & Burns, Laughlin Bldg., Los Angeles.

Plans to be Prepared. Bonds Voted.

HALL Cost, \$30,000  
LINCOLN, Placer Co., Cal.

One-story fireproof (probably tile) community hall.

Owner—City of Lincoln. Mark Thompson, Mayor.

Architect—Not Yet Selected.

Prepared Sketches Awaiting Approval.

LODGE AND STORE Cost, \$75,000  
PORTERVILLE, Tulare Co., Calif.

Main street.

One and Two-story and base. Brick or concrete lodge and store (110 ft. frontage).

Owner—Elks' Lodge of Porterville.

Architect—M. P. Renfro, Porterville, Calif.

LODI, San Joaquin Co., Cal.—Lodi Knights of Pythias, has instructed their trustees, V. C. Brown, E. H. Stark and E. L. Weaver, to purchase the Ritchie property on West Pine street for the site on which a modern lodge building will be built in the near future.

COLUMBIA, Colusa Co., Cal.—Several sites are being considered by the Colusa Parlor, No. 69, Native Sons of the Golden West, on which it is planned to erect a lodge building.

It is planned to erect a modern three-story building with stores on the ground floor and apartments and lodge rooms on the upper floors.

WOODLAND, Yolo Co., Cal.—From present indications a successful campaign is being made to raise \$20,000 with which to finance construction of a memorial building which will house Woodland Post, No. 77, American Legion.

## HOSPITALS

Plans Being Prepared.

HOSPITAL Cost, \$—  
BURNS, Oregon.

Three-story and basement fireproof hospital, 38x38.

Owner—St. Charles Hospital (to be operated by the Sisters of St. Joseph of Tipton, Indiana).

Architect—Lee Thomas, Bend, Ore. (15850) 1st report May 5, 1917.

Plans Being Prepared.

HOSPITAL Cost, \$65,000  
BEND, Oregon.

Fireproof hospital group.

Owner—St. Charles Hospital (To be operated by the Sisters of St. Joseph of Tipton, Indiana).

Architect—Lee A. Thomas, Bend, Ore.

Contract Awarded.

HOSPITAL Cost, \$21,000  
LOS ANGELES, 127 S. Utah St.

One-story hollow tile and frame hospital.

Owner—Maternity Cottage and Homeopathic Hospital.

Architect—Hunt & Burns, Laughlin Bldg., Los Angeles.

Contractor—Davidson Construction Co., 1145 E. 16th St., Los Angeles.

OAKLAND, Cal.—The following bids were received December 22nd by the Alameda County Supervisors, Geo. E. Cross, Clerk, for the construction of the first unit of the Class "A" Highland Hospital to be erected at 14th Ave. and E-27th St., Oakland. The buildings included in this unit are two dormitories and the service building with connecting corridors.

Henry H. Meyers, Kohl Bldg., San Francisco, is the architect.

All bids are over the appropriation and what action will be taken is to be decided at the next meeting of the Board.

Clinton Constr. Co., 140 Townsend St., San Francisco, \$346,000.

Robert Frost, San Francisco, \$548,780.

K. E. Parker, San Francisco, \$565,000.

Melan & Peterson, San Francisco, \$568,600.

**SALINAS, Monterey Co., Cal.**—On recommendation of the County Grand Jury, through its yearly report, it is probable that the construction of a new county hospital will be undertaken in the immediate future by the Supervisors. The report declares the present structures "to be in poor condition."

T. P. Joy is County Clerk.

## HOTELS

Plans to be Prepared.

**HOTEL** Cost, \$125,000  
**WILLIAMS, Colusa Co., Cal.**  
Three-story fireproof hotel.  
Owner—E. A. Brim, Williams, Cal.  
Architect—None.

**SANTA CRUZ, Santa Cruz Co., Cal.**—Architects O'Brien Bros., 240 Montgomery St., San Francisco, have awarded the following sub-contracts in connection with the extensive alterations to the Hotel St. George at Santa Cruz: **Galvanized iron work** to O. E. Newhall, 268 Pacific Ave., Santa Cruz.  
**Window bars** to Kawneer Mfg. Co., San Francisco.

## LIBRARIES

Figures to be Called for Next Week.

**LIBRARY** Cost, \$45,000  
**SAN FRANCISCO, W. Powell Street,**  
bet. Washington and Jackson Sts.  
One-story reinforced concrete and brick library.  
Owner—S. F. Library Trustees.  
Architect—G. A. Lansburgh, 709 Mission St., San Francisco.

Figures to be Called for Next Week.

**LIBRARY** Cost, \$45,000  
**SAN FRANCISCO, N. Sacramento St.,**  
bet. Baker and Lyon Sts., 117x225.  
Two-story brick and concrete library (Presidio Branch).  
Owner—S. F. Library Trustees Carnegie Fund.  
Architect—G. A. Lansburgh, Gunst Bldg., 709 Mission St., San Francisco.

## POWER PLANTS

Plans Being Figured.

**ADDITION** Cost, \$—  
**HOLLYWOOD, Los Angeles Co., Cal.,**  
No. 1437 North Grower St.  
Three-story and basement brick and frame addition to sub-station.  
Owner—Pacific Telephone & Telegraph Company.

Architect—Eng. Dept. of Owner, Shelton Bldg., San Francisco.  
Mr. E. V. Colby, Building Engineer, is taking the figures from Southern contractors and expects to award a contract within a week.

## PUBLIC BUILDINGS

Plans Being Prepared.

**MEMORIAL BUILDING** Cost, \$—  
**CAIRSON CITY, Nevada.**  
State Memorial Building.  
Owner—State of Nevada.  
Architect—F. J. De Longchamps, State Architect, Gazette Bldg., Reno, Nevada.

Plans Being Figured. Bids Close Jan. 7, 1920.

**ALTERATIONS** Cost, \$1,000  
**OROVILLE, Butte Co., Cal.**

Alterations in Courtroom of Court-house.

Owner—Butte County.

Architect—Chester Cole, Chico, Cal.

On account of an error in the advertisement of "Notice to Contractors," bids were not opened on December 22d.

**SANTA ROSA, Sonoma Co., Cal.**—Plans for the establishment of a union railroad station are being formulated by the Northwestern and Southern Pacific Companies. The erection of a modern station in this city has been contemplated for some time and it is thought that a favorable decision for the station will be made before the first of the year.

**SEATTLE, Wash.**—Following is a list of low bids for the erection of the "Hall of Philosophy," a three-story fireproof structure on the University of Washington campus from plans prepared by Architects Bebb & Gould, Seattle:

**General Contract.**

Hanson Construction Co. .... \$244,539

**Electric Work.**

R. R. Lang Co., Tacoma .... \$11,760

**Hardware.**

Seattle Hardware Co. .... \$3,419

**Painting.**

Atlas Painting Co. .... \$5,744

As bids exceed the estimate of the architects it is probable that they will be rejected.

**EUREKA, Nevada.**—John E. Sexton, General Manager of the Eureka-Nevada Railway, is in this city completing details preparatory to commencing the erection of a new railroad depot, waiting station and freight house, all to be housed in the one structure.

Construction will be handled by C. T. Delaney of Eureka, who will also prepare the necessary plans.

**PETALUMA, Sonoma Co., Cal.**—No bids were received by the City Council, Lyman Green, City Clerk for furnishing labor and materials for additions and alterations to the Corporation Building at the rear of the City Hall, and the work has been indefinitely postponed.

## RESIDENCES

**SAN FRANCISCO.**—The Folsom Street Iron Works, 18th and Treat avenue, have been awarded the contract for the ornamental iron work in connection with the residence under construction for Miss E. J. Booth at the southwest corner of Clay and Laguna streets. The work includes nine elaborate ornamental iron balconies, grilles, main entrance door, ornamental fire escapes, window guards, fence work and garage gates.

Plans were prepared by Architect Henry C. Smith, Humboldt Bank Bldg.

Contract Awarded.

Cost, \$—

**BUILDING**  
**SAN FRANCISCO, Harrison, Harriet**

and Columbus Square.  
One-story reinforced concrete building.

Owner—Louis R. Lurie.  
Lessee—Holbrook, Merrill & Stetson.  
Architects—Ward & Blohme, 454 California, San Francisco.

Contractor—Barrett & Hulp, Sharon Bldg., San Francisco.

**FRESNO, Fresno Co., Cal.**—A committee has been appointed by the Fresno Chamber of Commerce to investigate the offer of Contractors Trewitt-Shields, Rowell Bldg., Fresno, to carry on a housing campaign in connection with the Chamber whereby houses could be built at actual cost, they to handle the material in large quantity and buy through local dealers carload lots, reducing the cost to the purchaser.

The following is the committee appointed: Frank Minard, F. J. Craycroft, A. Bernhauer, Ed. Hewson, H. P. Billings, A. B. McWhirter and Roy Pulliam.

Plans Being Prepared.

**RESIDENCE** Cost, \$8,000  
**BERKELEY, Alameda Co., Cal. Plaza**  
Drive, Claremont Court.

One-story and basement frame residence (Colonial Style) 7 rooms and garage for 2 cars.

Owner—Withheld.

Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Preliminary Plans Being Prepared.

**MEMORIAL BLDG.** Cost, \$2,000,000  
**SAN FRANCISCO, Civic Center.**  
Steel and granite memorial building.

Owner—War Veterans' Memorial Association, Louis A. Colton of Zellerbach Paper Co., President and Chauncey McGovern, Secretary, 819 Hearst Bldg., San Francisco.

Architects—Glass & Butner, Hearst Bldg., San Francisco.

**LOS ANGELES, Cal.**—Officials of the Goodyear Tire & Rubber Co. have approved landscape plans and preliminary plans for the houses to be erected at Goodyear Gardens and have instructed Architects Hunt & Burns, 401 Laughlin Bldg., Los Angeles, to complete working plans for the buildings to be erected to house the employees of the factory. The plans include 750 dwellings to be erected on the Goodyear property, formerly Ascot Park. These houses will be of frame and plaster construction. About fifty buildings, including dwellings, store buildings, apartment and rooming houses, will be erected on adjoining property. These will be of frame construction.

## SCHOOLS

**MARYSVILLE, Yuba Co., Cal.**—The Honcut and Woodruff School Districts of Yuba County have consolidated and preparations are being made to erect a modern two-room school building.

Miss Jennie Malaley is County Superintendent of Schools.

Preliminary Plans Approved.

**ADDITION** Cost, \$30,000  
**DINUBA, Tulare Co., Cal.**  
One-story brick addition to grammar school (4 class rooms).

Owner—El Monte Grammar School District.

Architects—Glass & Butner, Cory Bldg., Fresno.

Plans Being Prepared. Bonds to be Voted.

**ADDITION** Cost, \$75,000  
**SUSANVILLE, Lassen Co., Cal.**  
Two-story and basement concrete or native stone addition to school.

Owner—Susanville High School District (David M. Durst, Principal).

Architect—Ralph D. Taylor, Susanville.  
The addition will contain nine class rooms, gymnasium, 50x80, swimming pool, hot and cold showers, boys' and girls' locker rooms, etc.

Contract Awarded.  
SCHOOL. Cost, \$1,625  
KNOWLES, Madera Co., Cal.  
Granite school building.  
Owner—Knowles School District.  
Contractor—Birnie, Zaniora & Richards  
Knowles, Cal.

Plans Being Figured. Bids Close Jan  
2, 10 A. M.  
ADDITION. Cost, \$150,000  
SEATTLE, Wash. West 80th Street.  
Two-story and basement fireproof  
school addition (11 class rooms,  
auditorium and play courts).  
Owner—Seattle School District No. 1.  
Architect—F. A. Naramore, City School  
Architect, City Hall, Seattle.

ORLAND, Glenn Co., Cal.—An addition for the Orland High School is planned by the Trustees of the District. It is estimated the addition will cost \$20,000, funds to be secured through a bond issue.

Plans will be prepared by W. H. Weeks, 75 Post St., San Francisco.

SACRAMENTO, Cal.—The City Board of Education has ordered the addition of two rooms to the temporary bungalow school at the Highland Park School.

Chas. C. Hughes is Superintendent of Schools.

## STORES AND OFFICES

Plans Being Prepared.  
FILM EXCHANGE BLDG. Cost, \$—  
SAN FRANCISCO. Golden Gate Ave.  
and Leavenworth Street.

Three reinforced concrete film exchange buildings (1 3-story and 2 2-story).

Owner—Louis R. Lurie.  
Architect—Albert Schroeffer, 110 Sutter St., San Francisco.

Plans Being Prepared.  
AUTO SALES BLDG. Cost, \$—  
SAN FRANCISCO. Washington Street  
bet. Van Ness Ave. and Franklin  
St.

Two-story reinforced concrete auto sales building.

Owner—Louis R. Lurie.  
Architects—Ward & Blohme, 454 California St., San Francisco.

LOS ANGELES, Los Angeles Co., Cal.—Gladding, McBean & Co., Crocker Bldg., San Francisco, have been awarded the contract for furnishing the terra cotta for the 12-story Class A office building to be erected at the northeast corner of Sixth St., and Grand Ave. for the Pacific Mutual Life Insurance Co. This is said to be the largest order for terra cotta ever placed for a Southern California building. W. J. Dodd, architect; William Richards, engineer, 905 Brack-Shops Bldg., Los Angeles, prepared the plans.

Contractors Taking Sub-Figures.  
ADMINISTRATION BLDG.

Cost, \$300,000  
RICHMOND, Contra Costa Co., Cal.

Three-story and basement Class "A" reinforced concrete administration building.

Owner—Standard Oil Co.  
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.  
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

Plans Being Prepared.  
OFFICE BLDG., ETC. Cost, \$—  
EMERYVILLE, Alameda Co., Cal.  
Three-story mill constructed warehouse, 200x60 and two-story brick office building.  
Owner—Sherwin & Williams, 454 2nd St., San Francisco.  
Architect—Eng. Dept. of Owners.  
Construction will be started in January.

Plans To Be Prepared.  
ADDITION. Cost, \$—  
SANTA ROSA, Sonoma Co., Cal. "B" street.  
Addition for department store (60x200).  
Owner—M. Rosenberg, 511 "B" St., Santa Rosa.

Bldg. Permit Granted.  
STORES. Cost, \$10,000  
HANFORD, Kings Co., Cal. West 8th street.  
Brick and concrete stores (50x110).  
Owner—W. C. Gallaher, care Free Market, Hanford, Cal.  
Architect—Not given.

Contract Awarded.  
STORE. Cost, \$20,000  
VISALLIA, Tulare Co., Cal. Near Elk's Hall.  
One-story brick store with cold storage plant.  
Owner—R. E. Hyde and R. F. Cross.  
Lessee—Howard G. Parish.  
Architect—Not Given.  
Contractor—Trewitt & Shields, Rowell Bldg., Fresno.

Contract Awarded on a Percentage Basis.  
OFFICE BLDG. Cost, \$750,000  
LOS ANGELES. W Side Spring Street, bet. 6th and 7th Streets.  
Thirteen-story Class "A" reinforced concrete office building, 70x137.  
Owner—Thos. Story.  
Architects—Morgan, Walls & Morgan, 1124 Van Nuys Bldg., Los Angeles.  
Contractor—Earl B. Newcomb, 651 So. Hill St., Los Angeles.  
The Los Angeles Stock Exchange will occupy the ground floor; the upper

Plans Completed.  
MARKET. Cost, \$—  
SAN FRANCISCO. Meigs Wharf Foot of Leavenworth Street.  
One-story frame and plaster fish market.

Owner—State Board of Harbor Commissioners.  
Engineer—Frank White, Ferry Bldg., San Francisco.

Plans Being Prepared.  
BANK & OFFICE BLDG. Cost, \$—  
FRESNO, Fresno Co., Calif. J and Mariposa streets  
14-story Class "A" Bank and Office Building, 80x70 feet.  
Owner—Bank & Trust Company of Central California, Barton Epstein,


Fres., Mariposa and J Sts., Fresno.  
Architect—Withheld until plans have been completed.

Plans for temporary quarters to be maintained until the completion of the new structure have been completed by Architects Coats and Traver, Rowell Bldg., Fresno. This work to cost about \$20,000.

Plans to be Prepared.  
BUILDING. Cost, \$—  
OAKLAND, Alameda Co., Cal.  
Two-story reinforced concrete auto-sales building, 100x140.  
Owner—Withheld.  
Architect—Wm. Wilde, Nevada Bank Bldg., San Francisco.

## THEATRES

Plans Being Prepared.  
THEATRE. Cost, \$125,000  
VISALLIA, Tulare Co., Cal. Locust and Acequia Streets.  
Fireproof theatre.  
Owner—Crescent Theatre Co., Pantages Theatre Bldg., San Francisco  
Architect—A. W. Cornelius, Merchants National Bk. Bldg., San Francisco.



**SAVES YOU MONEY**

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

**PACIFIC PIPE CO.,**  
231 Howard St. San Francisco

## ENGINEERING

### BRIDGES, DAMS & HARBOR WORK

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to January 9th, 3 P. M., for the construction of wooden highway bridges, located as follows:

Three-quarters of a mile SW of Firebaugh, 90 feet long; and three structures about 4 miles SE of Coalinga, 100, 50 and 35 feet in length, respectively; and the Derrick boulevard bridge. Chris P. Jensen is County Highway Engineer.

**RED BLUFF, Tehama Co., Cal.**—Bids received by the County Supervisors, H. G. Kuhn, County Clerk, for the proposed Dry Creek bridge have been rejected. The low bid submitted was \$12,480 while the amount available for construction was \$11,500.

It is probable that plans will be revised and new bids called.

**LOS ANGELES, Los Angeles Co., Cal.**—The United Dredging Co., Central Bldg., Los Angeles, was awarded the contract by the County Supervisors for the timber work on the Seventh street, Ocean Boulevard and Anaheim street bridges over the flood control channel at Long Beach at its bid of 18c lin. ft. for driving piles plus 50c each for cutting and \$22.50 per thousand ft. B. M. for placing creosoted lumber and \$15 per thousand for placing untreated lumber. The Anaheim St. bridge will be an all-timber bridge. The county will furnish piles, lumber, bolts and nails. The Seventh St. and Ocean Blvd. bridges will be combination steel and timber structures. The contract for the structural steel was awarded to C. W. Beverstock, 3710 S. Alameda St., Los Angeles, at \$94,666 for the Ocean Blvd. bridge and \$36,800 for the Seventh St. bridge. J. W. Reagan, chief engineer of flood control district.

## IRRIGATION PROJECTS

A. P. T. Elder, retired multi-millionaire publisher and art collector of New York, has announced that he is backing a movement for one of the biggest irrigation dams in the West, which will bring water to 200,000 acres of land in El Dorado and Amador Counties, utilizing the water of Consumes River now going to waste. New York engineers are now at work on the plans. The work calls for the expenditure of \$20,000,000 and will provide for the construction of a dam with a capacity of 200,000,000 gallons.

**SACRAMENTO, Cal.**—The State Reclamation Board is considering plans and specifications, estimates of costs, etc., to complete work in Reclamation District No. 784 in Yuba County.

Thos. Mayhew is Secretary of the Reclamation Board.

**MARYSVILLE, Yuba Co., Cal.**—Bids will be received by the Board of Directors of the Cordua Irrigation District, Ellis Block, Marysville, up to January 10th, 10 A. M., for the construction of a main irrigation canal approximately six miles in length requiring approximately 35,000 cubic yards of excavation and 10,000 cubic yards of embankment, together with the installation of necessary drainage culverts.

Separate bids will be received on the same date for the construction of No. 1. One semi-circular metal flume, approximately 3100 feet long and approximately 76.4 inches in diameter, supported on a wooden sub-structure on concrete footings with reinforced concrete inlets and outlets for the same.

(No. 2). One semi-circular metal flume, approximately 1050 feet in length and approximately 76.4 in diameter, supported on a wooden sub-

structure on concrete footings with reinforced concrete inlets and outlets for the same.

Plans may be seen at the office of the Board, Ellis Block, Marysville. Warren Steel is Secretary.

**COLUSA, Colusa Co., Cal.**—The petition for an election to form a reclamation district for drainage purposes in the Upper Colusa Basin has been granted by the Supervisors and the district is to be known as the Colusa-Glenn Irrigation District.

The election will be held January 20th.

**NEWPORT BEACH, Orange Co., Cal.**—Engineer Paul E. Kressly of Newport Beach, has been retained by the Newport Heights Irrigation District to design and supervise the construction of a pumping plant, force mains, reservoirs and distributing system for which bonds to the amount of \$160,000 have been voted. The work will be rushed and bids will probably be called for in about two months.

## LIGHTING SYSTEMS

**WOODLAND, Yolo Co., Cal.**—The installation of a pipe steel welded line from Sacramento to Woodland, via Davis, estimated to cost \$150,000, has been ordered by the Pacific Gas & Electric Company which plans the razing of its present gas plant in Woodland. Work will be done by the gas company.

**SAN LEANDRO, Alameda Co., Cal.**—The City Trustees, J. J. Gill, City Clerk, have awarded a contract to the Municipal Improvement Co., 357 12th St., Oakland, for the installation of reinforced concrete lighting posts in East Fourteenth street on a bid of \$98.60 per post.

## MACHINERY

**ANTIOCH, Contra Costa Co., Cal.**—No bids being received at the last meeting of the City Trustees for sinking wells, J. E. McElheney, City Clerk, was instructed to call new bids up to 8 P. M., January 12th, bidders to specify the rate per foot for sinking wells and agree to sink either one or two as directed by the Superintendent of Streets, and shall also agree to sink said wells to such depth as shall be ordered by the Superintendent. All bids shall include the cost of casing installed.

**MONTEREY, Monterey Co., Cal.**—Bids will be received by City Clerk Archie Kay, up to 7 P. M., January 6th, for supplying a road grader, described as follows: Straight frame, standard make, fitted with seven foot reversible blade and concave wheels, the weight of such grader to be not over 2800 lbs., and not less than 2400 lbs.

Certified check of 10% payable to Mayor of Monterey must accompany each bid.

**MODESTO, Stanislaus Co., Cal.**—The City Engineer has been instructed to prepare specifications for sinking Well No. 6, in the northern section of the city.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

**RENO, Nevada.**—The City Council, Jas. J. Burke, City Clerk, has declared its intention of levying assessments to grade and pave, with concrete, bitumen, or asphalt, construct granite header stone along portions of the following streets:

### First Ward.

To grade and pave or surface with concrete, Lander street from California avenue to Taylor street.

West one-half of South Virginia street from California avenue to the South City boundary line.

Court street from the West line of South Virginia St. to the West line of Lee avenue.

### Second Ward.

To grade and pave or surface with asphaltum pavement West one-half of Sierra street between West Second streets and the South line of First street.

### Third Ward.

To grade and pave or surface with asphaltum pavement:

East one-half of Sierra street between West Second and First streets.

First street from Sierra street to the Alley in Block V, Reno Townsite.

Front street from Center street to Lake street.

Lake street from Second to Front streets.

East Second street from Lake street to a point 160 feet East from Lake street.

B.—To grade and pave or surface with concrete pavement the following alleys in the Third Ward:

Alley in Block X in Reno Townsite, running from East Second street to Front street.

All alleys in Block R, Reno Townsite.

### Fourth Ward.

To grade and pave or surface with concrete pavement:

East Fourth street from Morrill avenue to the East City boundary line.

Morrill avenue to the East City boundary line.

North Center street from East Fourth St. to the University of Nevada gates.

East Fourth St. to the University of Nevada gates.

B.—To grade and pave or surface with asphaltum pavement, the following streets, in the Fourth Ward:

Plaza St. between North Center St. and the West line of Evans Ave.

Lake St. from East Fourth St. to the North line of Plaza St.

North Virginia St. between Plaza St. and the North track of C. P. R. R.

C.—To grade and pave or surface with concrete pavement, the following alley in the Fourth Ward:

Alley in Block H from the East Fourth St. South to alley running East and West in Block H.

To construct granite header stone in front of or abutting on the following described lots or premises:

South side of Plaza St. between Center and Lake Sts.; Plaza St., 300 feet, C. P. R. R., Owner.

South side of Plaza St. between Lake St. and Evans Ave.; Plaza St., 300 feet, C. P. R. R., Owner.

**Fifth Ward.**

To grade and pave or surface with concrete pavement:

West Third St. from Sierra St. to the West city boundary line.

**Sixth Ward.**

To grade and pave or surface with concrete pavement:

East one-half of South Virginia St., from California Ave. to the South City boundary line.

Mill St. from South Virginia to Truckee St.

Stewart St. from South Virginia St. to Wheeler Ave.

Scott St. from the Scott St. bridge to Park St.

High St. from Scott St. to Ryland St.

Ryland St. from High St. to Wheeler Ave.

Wheeler Ave. from Ryland St. to Stewart St.

**OAKLAND, Cal.**—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Octavia street from the southwest line of Penniman avenue to the northeast line of Allendale avenue by grading; constructing concrete curbs; gutters and sidewalks and paving with an oil macadam.

Being Done by Days Labor.

**LINING IN TUNNEL** Cost, \$90,000

**OAKLAND, Cal.** Berkeley Hills.

Pre-cast reinforced concrete lining in tunnel.

**Owner**—Oakland, Antioch & Eastern Railway Co., 22nd and Grove Sts., Oakland.

**Engineer**—Pierre Zuoco, 166 Geary St., San Francisco.

The owners are purchasing all materials.

**OAKLAND, Cal.**—Bids will be received by City Clerk L. W. Cummings, up to 12 M., January 8th, for the improvement of 35th avenue from the southwest line of East Tenth street from a line at a point in 35th avenue distant 267.7 feet southwest from East Tenth streets to a point on the northwest line of 35th avenue distant 197.4 feet southwest from the southwest line of East Tenth street by grading; constructing cement concrete curbs, gutters and sidewalks, and paving with an oil macadam.

Plans Being Prepared. Ready for Figures in a Week.

**STORE** Cost, \$—

**MERCED, Merced Co., Cal.**

Two-story brick general mercantile store building.

**Owner**—Withheld.

**Architect**—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.

Figures will be taken for a general contract.

**SAN FRANCISCO**—Jas. Currie, 3120 Balboa St., San Francisco, has the contract for the 200x760 ft. addition to the National Cemetery at the Presidio. Work includes clearing, grading, roads and stone walks. Contract price \$7,994.

**WOODLAND, Yolo Co., Cal.**—The Yolo County Supervisors are considering the establishment of a county cement plant. Supervisor Stitt, Chairman of the Board, has made investigations of land in the Capay Valley District and is

of the opinion that suitable material for the manufacture of cement can be found.

**OAKLAND, Cal.**—The following bids were received December 22nd by the Alameda County Supervisors, Geo. E. Gross, Clerk, for the construction of a fire protection system for the Arroyo Sanatorium, near Livermore:

Scott Co., San Francisco	\$14,236.00
C. A. Bruce	14,660.00
Burnham Plumbing Co.	14,747.00
Schultz Constr.	14,849.80
Carl T. Doell	16,492.79
Michel Murphy	19,967.00

**FRESNO, Fresno Co., Cal.**—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to January 13th, 3 P. M., for the construction of three feeder roads, mileage about 10.80, in the Coalinga district leading from various sections of the oil fields direct to the City of Coalinga. The work will be let in three contracts, officially designated as routes 31, 32, 33 of section A of the county highway system.

Bids will be asked for on four alternate specifications, the first two for cement concrete base of 1-3-6 mix, and the last two for black base or asphalt concrete. On the cement base two types of tops are proposed, Jensenite and Warrentite, and for the black base, Topeka and Warrentite.

In consonance with the specifications used on previous routes, the concrete base proposed is to be 5 inches in thickness, while the black base is to be 3½ inches in depth with a 1½-inch wearing surface.

Chris Jensen is County Highway Engineer.

**MODESTO, Stanislaus Co., Cal.**—County Supervisor C. R. Little is gathering data for the Wood Colony Center for the improvement of roads in that section.

Little proposes the construction of from 25 to 30 miles of lateral highways intersection and connecting with the present paved roads. An oiled rock construction was recommended as less expensive and more cheaply maintained than concrete or asphaltum. The cost is estimated at \$5000 per mile.

**FRESNO, Fresno Co., Cal.**—Bids will be received up to January 9th 2 P. M., by County Clerk D. M. Barnwell for the construction of County Highway Route 11, Section A and separate bids on the same date for Route 5, Section A.

Plans and further information may be had from Chris P. Jensen, County Highway Engineer, Cory Bldg., Fresno.

**VALLEJO, Solano Co., Cal.**—Bids will be received by Alf. E. Edgcombe, City Clerk, up to January 12th, 12 M., for the improvement of Hichborn St., from the center line of Sacramento St. to the center line of Wilson Ave., including crossings of Fremont and Carter Sts., and a portion of crossings of Wilson Ave. and Sacramento St. terminations of Hichborn and Baxter Sts., by grading; construction of Portland cement concrete curbs with galvanized steel corner bars; sidewalks 6 feet wide and 6 inches thick; laying an asphaltic compound and a concrete

pavement 5 inches thick, to be 24 feet in width.

The estimated quantities follow:  
Excavation, 16,475 cu. yds.; curb bar, 430 lin. ft.; concrete curb, 4,940 lin. ft.; sidewalks, 29,640 sq. ft.; plain concrete pavement, 68,740 square feet; expansion joints (asphaltic compound) 3,000 lin. ft.; header boards, 60 lin. ft.

T. D. Kilkenny is City Engineer.

**LONG BEACH, Los Angeles Co., Cal.**—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$50,646.22 for paving with concrete base and bituminous protective coat Olive Ave. between Alamosos Ave. and Tenth St., and Alamosos Ave. between Ocean Blvd. and Broadway.

**ARCADIA, Los Angeles Co., Cal.**—Kleeseman & Elser of Arcadia, submitted the lowest bid for constructing a reinforced concrete reservoir for the municipal water system, their bid being (a) \$25,684 for reservoir requiring 8000 cu. yds. excavation, and (b) \$27,434 for reservoir with 10,500 cu. yds. excavation. Other bids received were: C. D. Soteras, (a) \$30,600; (b) \$31,575; Paul H. Ehlers, (a) \$31,500; (b) \$32,800; Bent Bros., (a) \$33,300; (b) \$34,650; Isidor Carroll, (a) \$34,900; (b) \$36,300; Thos. Haverly Co., (a) \$35,900; (b) \$36,900. The bids were taken under advisement by the City Trustees until the next meeting, December 22. The proposed reservoir will be 220 ft. long, 150 ft. wide and 12½ ft. deep, and will require 720 cu. yds. concrete, 32 tons reinforcing steel, 28,200 sq. ft. floor mesh and 66,000 ft. B. M. lumber for roof.

**BRAWLEY, Imperial Co., Cal.**—Construction work on the \$125,000 municipal water system for Brawley will be started in January. Two 100 h. p. engines have been purchased from the Western Machinery Co., two 100 h. p. motors and two 1800-gallon pumps from Fairbanks, Morse & Co., and pipe from the U. S. Cast Iron Pipe Co.

**PASADENA, Los Angeles Co., Cal.**—The City Water Department will spend \$150,000 in the next two months extending its service to the Annandale and San Rafael Heights sections. A reservoir to cost \$15,000 will be constructed on a hill on the west bank of the Arroyo and a booster pump will be installed to force water into the reservoir. The mains to be laid will cost about \$125,000. Samuel B. Morris is Chief Engineer of the water department.

**VISALIA, Tulare Co., Cal.**—Until 2 P. M., January 6, bids will be received by the Supervisors of Tulare County for constructing about 10 miles of highway between Poplar and Woodville. Lawrence Moyer, County Surveyor.

**YUBA CITY, Sutter Co., Cal.**—The Directors of the Sutter County Farm Bureau will have a representative at the next meeting of the County Supervisors to urge the appointment of a county highway engineer.

Bonds for a system of highways have already been voted.

**WOODLAND, Yolo Co., Cal.**—After discussing the problem of increasing the city water supply the City Trustees are contemplating the purchase of a 200,000 gallon tank similar to the one now in use. Definite action is expected at the next meeting.

**STOCKTON, San Joaquin Co., Cal.**—Harry T. Compton, for five years City Engineer of Stockton, has informed the City Council of his intention to resign the position, the first of the year, to enter private practice.

The Council has decided upon the appointment of Walter B. Hogan to fill the vacancy. Hogan has been in charge of San Joaquin County maintenance work for the past eight years.

**EUREKA, Humboldt Co., Cal.**—The City Council, J. P. Wunderlich, City Clerk, has passed a resolution of intention providing for the construction of wooden sidewalks, 12 feet wide in portions of Rhine street, Fairfield and Murray streets.

**EUREKA, Humboldt Co., Cal.**—The City Council has awarded a contract to Baker, Hamilton Pacific Co., 7th and Townsend streets, San Francisco, for furnishing and delivering a quantity of two-inch iron pipe for use of the municipal water department, the price being \$20.13 per hundred feet f. o. b. Eureka.

**MONTREY, Monterey Co., Cal.**—The City Engineer has been instructed to prepare plans for a sewer in Lillie street and David avenue and for the improvement of Reeside avenue, Wave street and Ocean View avenue. Archie Kay is City Clerk.

**LOS ANGELES, Los Angeles Co., Cal.**—All bids received by the County Supervisors on December 1 for paving 5.62 miles of the Saugus-Ventura road, were rejected. Rogers Bros. Co. submitted the lowest bid at \$100,908.50. The estimated cost including 12,470 lbs. cement to be furnished by the county was \$120,000. The work will be done by the county by force account.

#### N. Y. BUILDERS FORM TRADE TRUCE.

**NEW YORK.**—A covenant to bring peace in the building trades in and around New York for at least a year has been signed by the Building Trades Employers' Association and the New York Building Trades Council. The latter organization represents forty-one unions.

A wage scale and working conditions are fixed and a board of arbitration named which shall make the final and binding decision in any dispute.

#### Building Resumes.

With the signing of the agreement the restraint against millions of dollars' worth of building activity was removed and relief from the present house shortage may be expected shortly.

The agreement was signed after a number of conferences between representatives of employers and the unions. It is effective only for 1920, but an agreement for 1921 is expected to be reached soon.

Under the agreement the working week is fixed at forty-four hours. Regular or consecutive overtime shall not

be worked unless permitted by a joint committee consisting of the chairman of the board of governors of the Building Trades Employers' Association and the chairman of the Building Trades Council. This will not militate against incidental overtime.

Strikes and lockouts are specifically forbidden, all differences being subject to the action of a board of arbitration. The employing of non-union men on jobs with union men shall, if found true, be considered justification for the union workmen to refuse to work on that job.

The board of arbitration will consist of five members of the executive committee of the board of governors of the Building Trades Employers' Association and five members of the executive committee of the Building Trades Council. Their decision shall be considered binding.

#### PLAN TO DRAIN THE PORT OF ACAJUTLA.

**SAN SALVADOR, Republic of Salvador.**—The National Board of Health has decided to undertake the work of draining the port of Acajutla, on the Pacific ocean 50 miles west of San Salvador, and a sanitary commission has already been sent there to study the situation. The drainage work will be inaugurated in the near future.

#### THE THOUGHTLESS COMMITTEE.

**California climate again.**—Fifty-seven hundred articles and one baby were left by thoughtless commuters on Southern Pacific ferryboats and trains during 1919.

Most of the articles were wraps and umbrellas, and the railroad offers the explanation that the climate makes people forget all about such things.

Concerning the baby, its young parents each thought the other had taken charge of the infant in making the change from train to boat. Frantic search ended in the disclosure that a brakeman had already "turned it in."

#### FORM COMPANY TO BUILD HOMES.

**LINDSAY, Cal.**—The Lindsay Community Development Company has organized with the following directors: G. V. Reed, president; Chester Dowell, vice-president; Van W. Tyler, G. H. Waddell and Avery J. Howe. L. S. White was appointed secretary; J. W. Irwin, treasurer, and A. M. Robertson, building superintendent. The company has been organized to meet the great need for houses in this city. It plans to build six houses at a time, varying in size and price, and dispose of them before others are begun. Arrangements may be made later to build houses for rent. Application has been made for approval of the plan and permission to sell stock, and it is expected that operations will commence shortly after the first of the year.

#### HOTEL AND DANCING PAVILION.

**AVAILON, Los Angeles Co., Cal.**—Wm. Wrigley Jr., president of the Santa Catalina Island Co., announces that a 60-room addition to the Hotel St. Catherine will be erected before the opening of the next season, June 15, 1920. The building is frame and plaster construction.

A frame dancing pavilion, 125x150

feet, with sun parlors and rest rooms will also be erected at Avalon. D. M. Benton, Superintendent of the construction for the company, prepared the plans and will erect the structures.

#### ACKNOWLEDGEMENT OF ORDERS IMPORTANT.

At best, it is two or three months from the date a letter is mailed in Penang until a reply can be received from the United States by post, even if mailed immediately, and the writer is entitled to an acknowledgement at the earliest possible moment. Consul George L. Logan, at Penang, reports that he saw a letter received by a Penang importer from an American export agency stating that certain merchandise, ordered almost a year before, would be shipped by the first available steamer. The customer of the importer, in the meantime, had canceled the order as nothing had been heard from it and he could buy elsewhere and get prompt delivery. In consequence of this the importer will have on his hands goods which were ordered on a special "indent."

#### BUSINESS OPPORTUNITIES.

**Bay City Export Company, Mobile, Ala.**, wishes to get in touch with lumber companies in this State.

**A. G. Kidston & Co., 2 Rector street, New York City**, desires to secure a representative to handle the sale of a patented floor mop.

**J. L. Hobbs, 1467 Fourth Street, San Diego, Calif.**, wishes to communicate with firms equipped to manufacture articles from sheet steel.

**Geo. F. Smith Co., Franklin and Channing avenues, St. Louis, Mo.**, is in the market for sub-grading road machinery.

#### WATER POWERS IN SOUTHEASTERN ALASKA.

Systematic investigation of the water resources of Alaska was begun by the United States Geological Survey, Department of the Interior, in 1906 and has been carried on in one or another part of the Territory to the present time. This investigation was undertaken to supply the need for definite information in regard to the quantity of water available for many uses, such as hyrruclining, dredging, and supplying power for mines, canneries, and sawmills.

The investigation of the water resources of southeastern Alaska was begun by the Geological Survey in co-operation with the Forest Service in 1915 and was designed to determine both the locations of water-power sites and the possible water power available. Since then the Geological Survey has maintained a number of gaging stations in southeastern Alaska throughout the year and has installed other stations in co-operation with individuals and corporations. The records obtained at these stations in 1918 are contained in a report entitled "Water-Power Investigations in Southeastern Alaska" (Bulletin 712-B), by Geo. H. Canfield, which has been recently issued by the Geological Survey and can be obtained free of charge from the Director of the Survey at Washington.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

No.	San Francisco County	Contractor	Amt.
2795	Gibson	Owner	4000
2796	Hillard	Anslor	1950
2797	Anderson	Owner	1800
2798	Burbank	Wegner	3000
2799	Diplo	Owner	500
2800	Born	Owner	5500
2801	Children's Hspt.	Healing	5000
2802	Olsen	Owner	12000
2803	Olsen	Olsen	4000
2804	Hartford	Barrett	1400
2805	Butcher	Owner	10000
2806	Ruggles	Heyer	2000
2807	Willits	Pasqualetti	9288
2808	Weissbein	Meyer	5300
2809	Oriental	Ludwig	900
2810	McFarland	Owner	24000
2811	Wilfert	Koenig	10000
2814	Hooper	Taylor	255
2812	Peoples Ldy	Mulcahy	2194
2813	Gordon	Gordon	500
2815	Y M C A	Forbes	2700
2816	Bare	Kissel	1290
2817	Bare	Salanave	4690
2818	Galloway	Pasqualetti	500
2819	Edmonds	Alfred	3000
2820	McCauley	Owner	500
2821	Tiegelser	Mager	3250
2822	Wilfert	Koenig	10170
2823	Same	Cramer	765
2824	Same	Mae	1284
2825	Joone	Vukicevick	960
2826	Coughlan	O'Neill	6000
2827	Nelson	Owner	3000
2828	S. F. Dairy	Britt	5000
2829	Ruggles	Heyer	20000
2830	Ruggles	Britt	3850
2831	Ruggles	Moller	7277
2832	O'Brien	Barrett	17805
2833	Washborn	Orendorf	1700
2834	Mengola	King	500
2835	Hastings	Kulchar	5000
2836	Connolly	Glaser	1600
2837	Schmidt	Anderson	2578
2838	Hartford	Barrett	1392
2839	Weissbein	Meyer	6150
2840	Cal. Packing	Travia	2865

**DWELLING**  
(2795) NW EIGHTH AVE. and Kirkham. One-story and basement frame dwelling.  
Owner—R. N. Gibson, 119 Haight St., San Francisco.  
Architect—J. C. Newsom, 1755 Broadway, Oakland, Cal. COST, \$1000

**CHIMNEYS**  
(2796) NW LAUREL and Washington. Install 21 patent chimneys in apartment house.  
Owner—C. J. Hillard, San Francisco.  
Contractor—Alfred Henry Jacobs, French Bank Bldg., San Francisco.  
Contractor—Anslor Sheet Metal Works, 25 Shotwell St., San Francisco. COST, \$1950

**DWELLING**  
(2797) NW MONTCAIM and Peralta. One-story and basement frame dwelling.  
Owner—K. Anderson, 204 Lee Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$1800

**ALTERATIONS**  
(2798) SE POST and Stockton. Rearrange interior for jewelry store.  
Owner—Blanche M. Burbank, San Rafael, Calif.  
Architect—Kenneth Macdonald, Jr., 224 Pine, San Francisco.  
Contractor—Wegner & Hob, 593 Market, San Francisco. COST, \$3600

**REPAIRS**  
(2799) W RAILROAD 50 N Fairfax. Repair fire damage to present bldg.  
Owner—John Diplo, 316 Railroad Ave., San Francisco.  
Architect—None.  
Day's work. COST, \$500

**FRAME DWELLING**  
(2800) S SHOREVIEW 40 E 37th Ave. Two-story and basement frame dwelling.  
Owner—A. Born Bldg. Co., 46 Kearny St., San Francisco.  
Architect—Geo. A. Born, 46 Kearny St., San Francisco.  
Day's work. COST, \$5500

**ALTERATIONS**  
(2801) S SACRAMENTO 200 W Maple. Remove present hip roof and replace with tar and gravel flat roof.  
Owner—Children's Hospital, Premises.  
Architect—None.  
Contractor—Geo. Healing, 110 Jessie St., San Francisco. COST, \$2000

**FRAME DWELLINGS**  
(2802) S SOUTHWOOD 56, 131 and 171 W Miramar. Three one-story and basement frame dwellings.  
Owner—A. G. Olsen, 68 Santa Ynez Ave., San Francisco.  
Architect—H. C. Baumann, 251 Kearny St., San Francisco.  
Contractor—O. Olsen, 68 Santa Ynez Ave., San Francisco. COST, \$4000 each

**FRAME DWELLING**  
(2803) N SOUTHWOOD 210 W Miramar. One-story and basement frame dwelling.  
Owner—A. G. Olsen, 68 Santa Ynez Ave., San Francisco.  
Architect—H. C. Baumann, 251 Kearny St., San Francisco.  
Contractor—O. Olsen, 68 Santa Ynez Ave., San Francisco. COST, \$4000

**LUNCH ROOM**  
(2804) NO. 434 CALIFORNIA. Erect lunch room on roof.  
Owner—Hartford Accident & Indemnity Co., 438 California, S. F.  
Architect—Ward & Blohme, 454 California.  
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco. COST, \$1400

**REPAIR SHOP**  
(2805) E ELEVENTH 25 N Natoma. One-story brick auto repair shop.  
Owner—Thos. E. Fisher, 180 Jessie St., San Francisco.  
Architect—M. V. Politte, 1st National Bank Bldg., San Francisco.  
Day's work. COST, \$10,000

**FOUNDATION**  
(2806) SE MONTEREY BLVD. and San Anselmo Ave. Concrete foundations only for future building (res.).  
Owner—Howard Ruggles, 45 Kearny St., San Francisco.  
Architect—Herbert A. Schmidt, 45 Kearny, San Francisco.  
Contractor—Chas. W. Heyer, Jr., 326 Daiziel Bldg., Oakland. COST, \$2000

**RECORDED.**  
**CONCRETE WORK**  
(2807) COM. 306-2 S ISLAIS and 370 E 3rd S 100KE 100. Concrete work for vegetable oil plant.  
Owner—Willits & Patterson, 1 Drumm, San Francisco.  
Engineer—C. A. Watts, 24 California, San Francisco.  
Contractor—Jos. Pasqualetti as American Concrete Co., Humboldt Bank Bldg., San Francisco.  
Filed Dec. 22, '19. Dated Dec. 22, '19. 5 days after final approval... 75%  
Usual 35 days. . . . . 25%  
TOTAL COST, \$3983  
Bond, \$10,000. Sureties, Maryland Casualty Co. Forfeit, none. Limit, 45 days. Plans and specifications filed.

**PERMITS.**  
**REPAIR SHOP**  
(2808) S CLEMENT 70 W 11th Ave. One-story concrete auto repair shop.  
Owner—J. Weissbein, Hobart Bldg., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.  
Contractor—Meyer Bros., 2628 Anza, San Francisco. COST, \$5900

**ALTERATIONS**  
(2809) NO. 523 GRANT AVE. Remove cornice on front; install new cornice; repair plaster, etc.  
Owner—Oriental Trading Co., Alto Bldg., San Francisco.  
Architect—None.  
Contractor—Herman T. Ludwig, 636 Jessie, San Francisco. COST, \$900

**ALTERATIONS**  
(2810) W SIXTH AVE 275 S Cabrillo. Alter 8 flats into 6 apartments.  
Owner—Sam J. McFarland, 600 Clunie Bldg., San Francisco.  
Architect—None. COST, \$24,000

**FRAME DWELLING**  
(2811) W THIRD AVE 124 S Cabrillo. One-story and basement frame dwlg.  
Owner—C. Wilfert, 1448 Hayes St., San Francisco.  
Architect—Herman Barth, Phelan Bldg. San Francisco.  
Contractor—Chas. J. U. Koenig, 110 Jessie, San Francisco. COST, \$10,000

**ALTERATIONS**  
(2812) NO. 185 TENTH. Alter present building for laundry.  
Owner—Peoples' Laundry Co., Prem. Engineer—J. Harry Russell, 165 Tenth St., San Francisco.  
Contractor—Thos. F. Mulcahy, 180 Jessie, San Francisco. COST, \$2194

**ALTERATIONS**  
(2813) NW CARRILLO AND EIGHTH AVE. Re-arrange store for private garage.  
Owner—M. Gordon, 616 McAllister St., San Francisco.  
Architect—None.  
Day's work. COST, \$500

**RECORDED.**  
**RETAINING WALL**  
(2814) NOS. 710-72-74 CLAY. All work for reinforced concrete retaining wall on west line of property.  
Owner—Sophronia T. Hooper and A. C. Hammond, 1552 Clay, S. F.  
Engineer—Maurice C. Couchot, 110 Sutter, San Francisco.  
Contractor—Taylor & Jackson, Call Bldg., San Francisco.  
Filed Dec. 23, '19. Dated Dec. 17, '19. On completion . . . . . 75%  
Usual 35 days. . . . . 25%  
TOTAL COST, \$2582  
Bond, limit, forfeit, none. Plans and specifications filed.

**ALTERATIONS**  
(2815) W LEAVENWORTH 137-6 N Golden Gate Ave. All work for cutting present sidewalk on E side of Y. M. C. A. building.  
Owner—Young Mens Christian Ass'n., Premises.  
Architect—None.  
Contractor—R. J. H. Forbes, Monadnock Bldg., San Francisco.  
Filed Dec. 23, '19. Dated Dec. 22, '19. On 1st of each month. . . . . 75%  
Usual 35 days. . . . . 25%  
TOTAL COST, \$2700  
Bond, \$1400. Sureties, John Cassaretto and Robt. Dewar. Limit, 40 days. Forfeit, none. Plans and specifications filed.

**PAINTING, ETC.**  
(2816) NO. 314 SUTTER. All work for cleaning, painting, tining, canvas work, etc. for store building.  
Owner—Bare Bros., 255 Geary St., San Francisco.  
Architect—Ward & Blohme, 454 California St., San Francisco.  
Contractor—L. R. Kissel, 1747 Sacramento St., San Francisco.

Filed Dec. 23, '19. Dated Dec. 12, '19.  
50% completed ..... \$483  
Completed and accepted..... \$434  
36 days after..... 323  
**TOTAL COST, \$1,230**  
Bond, \$645. Surety, New Amsterdam  
Casualty Co. Limit, as fast as pos-  
sible. Forfeit, none. Plans and spec-  
ifications filed.  
NOTE: Permit reported December  
6th, No. 2569.

**(Correction—Contractor's Name Omit-  
ted in issue of December 24th).**

(2817) NO. 314 SUTTER. Steel and  
iron work, carpenter, flooring, stairs,  
frames, glazing, plastering, hard-  
ware, etc., for store building.  
Owner—Bare Bros., 255 Geary St.,  
San Francisco.  
Architect—Ward & Blohme, 454 Cal-  
ifornia St., San Francisco.  
Contractor—J. Salanave, 931 Pacific St.,  
San Francisco.

Filed Dec. 23, '19. Dated Dec. 6, '19.  
Rough work done..... \$117.50  
Plastering completed..... 172.50  
Completed and accepted..... 1172.50  
36 days after..... 1172.50  
**TOTAL, \$4,690.00**

Bond, \$2345. Surety, Maryland Cas-  
ualty Co. Limit, Jan. 1, 1920. Forfeit,  
none. Plans and specifications filed.

**PERMITS.**

BRICK WALL.  
(2818) E BAKER 25 S Green. Con-  
struct 13' brick wall.  
Owner—Mrs. Galloway, 2552 Baker St.,  
San Francisco.

Architect—None.  
Contractor—J. Pasqualetti, 785 Market  
St., San Francisco. **COST, \$500**

FRAME DWELLING  
(2819) SW ANZA AND TWENTY-  
second Ave. Two-story and basement  
frame dwelling.  
Owner—James Edmonds, 672 27th Ave.,  
San Francisco.  
Architect—None.  
Contractor—C. S. Allred, 150 Onondaga  
Ave., San Francisco. **COST, \$3000**

(2820) SE GEARY AND WOOD. General  
alteration for meat shop.  
Owner—Angus M. McCarey, 6055 Har-  
wood Ave., San Francisco.  
Architect—None.  
Day's work. **COST, \$500**

**ALTERATIONS**

(2821) NW BROOKS AND MISSION.  
All work for alterations and addi-  
tions to building.  
Owner—H. R. Teigeler, 3494 Mission,  
San Francisco.

Architect—None.  
Contractor—Mager Bros., 1318 Valen-  
cia St., San Francisco.  
Filed Dec. 24, '19. Dated Dec. 20, '19.  
Frame up..... \$1200  
Completed..... 1230  
Usual 35 days..... 820  
**TOTAL COST, \$3,250**

Bond, limit, forfeit, none. Plans only  
filed.  
NOTE: Permit also applied for to-  
day.

**RESIDENCE**

(2822) 3231 THIRD AVE 124-9/4 S Ca-  
lifornia S SW 120. All work except  
painting, lighting, fixtures and  
shades for two-story and basement  
frame residence.

Owner—C. Wilbert, 1448 Hayes St.,  
San Francisco.  
Architect—Hermann Barth, Phelan  
Bldg., San Francisco.

Contractor—Chas. J. H. Koenig, 110  
Jessie, San Francisco.  
Filed Dec. 24, '19. Dated Dec. 23, '19.  
Frame up..... \$2500.00  
Enclosed and brown coated..... 1800.00  
Completed, except putting in  
hardware, etc..... 2827.50  
Completed and accepted..... 5000  
Usual 35 days..... 2542.50  
**TOTAL COST, \$10,107.50**

Bond, \$5085. Sureties, Chas. Hoch and  
Wm. Koenig, Limit, 60 days. Forfeit,  
none. Plans and specifications filed.  
Permit reported Dec. 24th, 1919, No.  
2811.

(2823) PAINTING, PAPERING AND  
tinting on above.

Contractor—Cramer Bros., 1941 35th  
St., San Francisco.

Filed Dec. 24, '19. Dated Dec. 23, '19.  
Work 1/2 done ..... \$286.50  
Completed and accepted..... 256.50  
Usual 35 days..... 132.00  
**TOTAL COST, \$745.00**

Bond, \$383. Sureties, M. A. Petersen  
and David E. Marchus, Limit, as fast  
as possible. Forfeit, none. Plans and  
specifications filed.

(2824) PLUMBING & GAS FITTING  
on above.  
Contractor—Gus May, 3563 18th St.,  
San Francisco.

Filed Dec. 24, '19. Dated Dec. 23, '19.  
Work done in progress..... \$71.50  
Completed and accepted..... 471.50  
Usual 35 days..... 321.00  
**TOTAL COST, \$1,264.00**

Bond, \$632. Sureties, T. May and G.  
Peterson, Limit, as fast as possible.  
Forfeit, none. Plans and specifications  
filed.

**PERMITS.**

MARQUEE  
(2825) NO. 913 GRANT AVE. Erect  
ornamental iron marquise.  
Owner—Lee Duon Joone Co., Prem.  
Architect—A. L. Lapachet, 110 Sutter,  
San Francisco.

Contractor—J. E. Yukicevich, 180 Jes-  
sie, San Francisco. **COST, \$960**

**ALTERATIONS**

(2826) NO. 39 GRANT AVE. General  
alteration for store.  
Owner—Mrs. J. Coughlan & Co., 49  
Grant Ave., San Francisco.

Architect—J. E. Kraft & Sons, Phelan  
Bldg., San Francisco.  
Contractor—Daniel O'Neill, 273 Minna,  
San Francisco. **COST, \$6000**

**DWELLING**

(2827) E MADRONE 50 S Ulloa. Two-  
story and basement frame dwelling.  
Owner—F. Nelson & Sons, 2 West  
Portal Park, San Francisco.  
Architect—None.  
Day's work. **COST, \$3000**

**ADDITION**

(2828) NO. 1553 TURK ST. One-  
story addition to present building  
for shed.  
Owner—S. F. Dairy Co., Premises.

Architect—None.  
Contractor—O. W. Britt, 1115 Scott,  
San Francisco. **COST, \$5000**

**RESIDENCE**

(2829) SE MONTEREY BLVD. and  
San Anselmo Ave. Two-story and  
basement frame residence.  
Owner—Howard E. Ruggles, 45 Kear-  
ny, San Francisco.

Architect—Herbert A. Schmidt, 45  
Kearny, San Francisco.  
Contractor—Chas. W. Heyer, Jr., 326  
Daiziel Bldg., Oakland. **COST, \$20,000**

**RECORDED.**

CARPENTRY & MILL WORK  
(2830) S POST 136-6 E Van Ness Ave.  
E 27-68S 120. Carpentry and mill  
work for a one-story and basement  
concrete class "C" auto sales Bldg.

Owner—Mary A. Ruggles, 1901 Vallejo,  
San Francisco.  
Architect—August G. Headman, Call  
Bldg., San Francisco.

Contractor—Andrew Nelson, 467 Turk,  
San Francisco.  
Filed Dec. 26, '19. Dated Dec. 18, '19.  
Floor joists, roof trusses and  
roof boards on..... \$1318.75  
Completed and accepted..... 1318.75  
Usual 35 days..... 912.50  
**TOTAL COST, \$3550**

Bond, \$1825. Sureties, Geo. C. Bauer  
and P. R. Ward, Forfeit, \$10. Limit,  
30 days. Plans and specifications filed.  
NOTE: Permit reported Dec. 19, 1919,  
No. 2759.

**EXCAVATING, ETC.**

(2831) EXCAVATING. GRADING.  
back hills, concrete and cement  
work on above.

Contractor—Fred Moller, Call Bldg.,  
San Francisco.  
Filed Dec. 26, '19. Dated Dec. 18, '19.  
Ready for first floor joists..... \$2000  
Concrete completed up to fire  
escape..... 2000  
Completed and accepted..... 1457  
Usual 35 days..... 1820  
**TOTAL COST, \$7777**

Bond, \$3690. Sureties, Levy Bonding  
and Surety Co. Forfeit, \$10. Limit, 47  
days. Plans and specifications filed.

**ALTERATIONS**

(2832) SW CALIFORNIA and Front.  
Alterations and additions to Bldg.  
Owner—E. H. O'Brien.  
Engineer—Barrett & C. Couchot, 110  
Sutter, San Francisco.

Contractor—J. F. Barrett & H. H.  
Hill, as Barrett & Hill, Sharon  
Bldg., San Francisco.

Filed Dec. 26, '19. Dated Dec. 24, '19.  
Completed and accepted..... \$17,605  
**TOTAL COST, \$17,605**

Bond, Sureties, none. Forfeit, 20; ho-  
nus, \$20. Limit, 60 days. Plans and  
specifications filed.

NOTE: Permit also applied for to-  
day.

**PERMIT.**

ALTERATIONS  
(2833) 1414 FILLMORE. Alterations  
for hotel.

Owner—Washburn & Crawford - Mar-  
tin Winters, premises.  
Architect—None.

Contractor—L. C. Orendorff, 1414 Fill-  
more. **COST, \$1000**

**ADDITION**

(2834) NO. 141 JORDAN AVE. Add  
one room and alter dwelling.  
Owner—Geo. Mengola, Premises.

Architect—None.  
Contractor—Chas. J. King, 1900 Golden  
Gate Ave., San Francisco. **COST, \$500**

**ALTERATION**

(2835) NW POST and Kearny. Re-  
arrange partitions and extend mez-  
zanine floor.

Owner—Hassings Clothing Co., Prem.  
Architect—None.  
Contractor—S. Kulcher & Co., 8th Ave.  
and E-10th St., Oakland. **COST, \$5000**

**BAKE OVEN**

(2836) NO. 3005 STEINER. Construct  
brick bake oven.

Owner—Eugene Connolly, 2140 O'Far-  
rell, San Francisco.  
Architect—None.

Contractor—J. P. Glaser, 2430 Union,  
San Francisco. **COST, \$1600**

**RECORDED.**

ADDITION  
(2837) SECOND to Sterling St. Con-  
crete work for addition to plant.

Owner—Schmidt Lithograph Co., Prem.  
Architect—Frederick Whitton, 369  
Market, San Francisco.

Contractor—Anderson & Ringrose, 320  
Market, San Francisco.  
Filed Dec. 27, '19. Dated Dec. 10, '19.  
On 10th of each month..... 750  
Usual 35 days..... 280  
**TOTAL COST, \$23,078**

Bond, \$11,539. Sureties, E. V. Lacey  
and Mary E. Ringrose, Forfeit, \$15.  
Limit, April 1, 1920. Plans and spec-  
ifications filed.

**LUNCH ROOM**

(2838) ROOF OF BLDG. AT 434 CAL-  
IFORNIA ST. Cutting of concrete,  
wrought iron, steel, sheet metal, car-  
penter, flooring, lath and plaster,  
glass, hardware, roof, painting,  
plumbing, pipes, etc., for lunch room.

Owner—Harford Accident and Indem-  
nity Co., 438 California, S. F.  
Architect—Ward & Blohme, 454 Cal-  
ifornia, San Francisco.

Contractor—Barrett & Hill, Sharon  
Bldg., San Francisco.  
Filed Dec. 27, '19. Dated Dec. 18, '19.  
Completed and accepted..... \$1044  
Usual 35 days..... 348  
**TOTAL COST, \$1392**

Bond, \$598. Sureties, Globe Indemnity  
Co., Forfeit, \$10. Limit, 30 days.  
Plans and specifications filed.

NOTE: Permit reported December 23,  
1919, No. 2804.



## REPAIR SHOP

(2839) S. CLEMENTE 70 W 11th Ave. W 50x8 75. All work for a concrete auto repair shop.  
Owner—Jacob Weissbein, Hobart Bldg., San Francisco.

## Architect—None

Contractor—Theodore G. and Rollin E. Meyer 2628 Anza, San Francisco.

Filed Dec. 27, '19. Dated Dec. 19, '19.  
Walls up ..... \$137.50  
Roof of building on ..... 1537.50  
Concrete floor laid ..... 1537.50  
Usual 35 days ..... 1537.50  
TOTAL COST, \$6150

Bond, \$3075. Sureties, Mrs. Anna Meyer, forfeit, \$500. Limit, 60 days after Dec. 22. Plans and specifications filed.

NOTE: Permit reported December 24, 1919, No. 2808.

## BRICK WORK

(2840) E LEAVENWORTH bet. Beach and Jefferson. Brick work for factory alteration, plant No. 1.  
Owner—California Packing Corp., 101 California, San Francisco.

Engineer—Philip L. Bush, 101 California, San Francisco.  
Contractor—G. Trevia, 300 Bay, San Francisco.

Filed Dec. 27, '19. Dated Dec. 23, '19.  
One-half work completed ..... \$1000  
Completed and accepted ..... 1100  
36 days after ..... 1100  
TOTAL COST, \$2865

Bond, \$1432. Sureties, London & Lancashire Indemnity Co., forfeit, none. Limit, 30 days after raising roof. Plans and specifications filed.

## LEASES.

## San Francisco County.

Dec. 22, 1919—NW SUTTER & HYDE 117-6XN 77-7. Julius Rosenstern to E. G. Borden, Fred P. Hermans and P. A. Tramoniti, 10 years. \$337,000.

Dec. 22, 1919—W MISSION bet. 24th & 25th, No. 2834. Mission, Annie M. Schulz to Albert and Clara Strye, 5 years. \$3540.

Dec. 24, 1919—NO. 2155 MISSION. Geo. M. Davis to L. Mendelson, 60 months. \$40 per month.

Dec. 24, 1919—N GOLDEN GATE AVE. 65 E Gough, Oscar H. Curtaz to Alexander Morris and Albert Goldstein, 5 years. \$19,500.

Dec. 24, 1919—E TWENTY-SECOND AVE 175 N Clement, No. 268 22nd Ave. Bertram F. Hamburger to William Abrams, 1 year. \$45 per month.

Dec. 24, 1919—NO. 1019 VAN NESS AVE (ground floor). Cecelia Realty Co. to J. Goodman, 12 months. \$75 per month.

Dec. 23, 1919—NO. 923 EDDY. Anna M. Mellon to Lula McCarty, 5 years. \$12,000.

Dec. 26, 1919—NO. 68 YUKON St. Mrs. A. C. Haynes to Peter Stromsberg, 2 years. \$13 per month.

Dec. 26, 1919—S SEVENTEENTH 57-6 E Gough W 255 110. Her to Redlich and S. J. Newman to Redlich-Newman Co., 10 years, \$20 per month.

Dec. 26, 1919—NOS. 160-02 LARKIN NE Cor Clay. Ida Anna and Fannie Scheper to Nicholas Wilslow, 5 yrs. \$3780.

## BUILDER'S BOND.

Dec. 26, 1919—N CLAY bet. Kearny & Montgomery. Commercial Center Realty Co., owner, Del Paviro & Rastori, contractors; A. Delmonte and A. Pigione, sureties; Bank of Italy mortgagee; \$14,000.

Dec. 19, 1919—LOTS 1 TO 5, BLK 18, Mission Terrace. Mission Terrace Co. to whom it may concern.

Dec. 19, 1919—LOT 2, BLK 3123, Westwood Park. Hans Nelson to Nelson Bros., Dec. 18, 1919.

Dec. 19, 1919—LOT 26, BLK 3163, Katherine C. Kingwell to Jno. J. Westwood Park, Dec. 18, 1919.

Dec. 19, 1919—W. PLYMOUTH 27-34 S from NE cor. lot 15, N 77 deg. 22 min. 52 sec. W 94-356, N 33-825, S 79 deg. 01 min. 39 sec. E 92-248, S 28-454, ptn lots 11 and 15, BLK 3177, Westwood Park. Hans Nelson to Nelson Bros., Dec. 18, 1919.

Dec. 20, 1919—SE VAN NESS AVE & Union 38x125. D. J. Clancy to whom it may concern, Dec. 20, 1919.

Dec. 20, 1919—SE VAN NESS AVE & Polk No. 1665 Clay. Laura C. Props to whom it may concern, Dec. 18, 1919.

Dec. 20, 1919—NW FULTON AND Laguna. E. L. Goldstein Co., The Mission Concrete Co., Dec. 19, 1919.

Dec. 22, 1919—W HYDE 57-6 S Bush S 50xW 95. Louis D. Stoff to Louis S. Stoff, Dec. 18, 1919.

Dec. 22, 1919—N O'FARRELL 82-6 E Powell. The O'Farrell Catering Co. to O'Farrell & Peterson, Dec. 18, 1919.

Dec. 22, 1919—W FORTIETH AVE 50 N Balboa N 50xW 95. Alexander MacKillop to whom it may concern, Dec. 18, 1919.

Dec. 22, 1919—W RAILROAD AVE 200 N Salinas No. 2754 Railroad Ave Henry Stern to T. L. Sherman, Dec. 18, 1919.

Dec. 23, 1919—N CALIFORNIA 95 W 21th Ave W 25xN 100. W. H. Sale to David Leigh, Dec. 18, 1919.

Dec. 24, 1919—W TWENTY-SECOND AVE 50 S Anza S 25xW 57-6. John Gray to Theodore G. Meyer, Dec. 23, 1919.

Dec. 26, 1919—E FIFTEENTH AVE 114 N Anza N 75x E 120. Emil Nelson to whom it may concern, Dec. 26, 1919.

Dec. 26, 1919—W SEVENTEENTH AVE 209-4 S Lake S 22-10xW 120. Henry Freeman to whom it may concern, Dec. 19, 1919.

## LIENS FILED.

## San Francisco County.

Dec. 11, 1919—N PAGE 82-6 W Lyon W 25x195 W 2 McGladry, \$390 E Byron H. Gurnette, \$328.77 vs Wm and Marie L. Marrs, Dec. 19, 1919.

Dec. 16, 1919—W HOWARD 44-113 S 19th St. W 21xW 75-6 J. L. J. Maine vs Marie Alin, Dec. 15, 1919.

Dec. 23, 1919—N CALIFORNIA 34 Buchanan. D. J. Patterson vs Helen Bowe Detrick, Dec. 14, 1919.

Dec. 24, 1919—N CALIFORNIA 34-42 W Buchanan W 40xN 132-6. American Automatic Lock & Lift Co. vs Helen Bowe Detrick, Dec. 13, 1919.

Dec. 26, 1919—N CALIFORNIA 34 W Buchanan, Mallott & Peterson vs Helen Bowe Detrick, Dec. 13, 1919.

## STATE CORPORATION DEPARTMENT PERMITS.

Stockton Hardware & Implement Co., formerly Stockton Implement Co.—To sell 3500 shares at not less than par \$100 so as to net the entire amount of the selling price.

Terra Cotta Tile & Brick Corporation, San Diego—To issue 360 shares of its stock in exchange for certain personal property and to sell 140 shares to its incorporators at par \$100, for cash. The company was organized for the purpose of acquiring the property and plant of Sunnyside Brick & Tile Co., a partnership.

Nice Griffith Company Calipatria, Imperial County—To issue 79 shares of its capital stock to E. O. Nice in exchange for certain property and the payment of \$1825.25, and to issue 40 shares to J. K. Griffith and one share to Julia H. Nice at par for cash. The company will engage in the business of

hardware, implements and general merchandise.

Garden City Metal Works—To issue 50 shares to George C. Fuhrman in exchange for a sheet metal works business and to sell 19 shares to Fred G. Meyer, Frank V. Campbell, F. A. Linquist and C. C. Brown, at par for cash and thereafter to sell 131 shares at par for cash.

Acme Building Company, Los Angeles—To issue 7200 shares of its capital stock in exchange for certain property and to sell 12,800 shares at par \$1.00, for cash.

## LATIN AMERICAN TRADE NOTES.

[File numbers cited refer to reserved information or trade lists which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or co-operative offices.]

## First American Fire and Marine Insurance Company in Argentina.

According to The Review of the River Plate, the National Government of Argentina by decree of September 15 has authorized a New York insurance company to establish a branch or agency in Argentina, the first company from the United States to seek to enter the Republic for service to those needing fire or marine insurance.

## Contract for Electric Street Railway at Barranquilla, Colombia.

The American consul at Barranquilla reports that local financiers have just made a contract with the municipal council for the establishment of an electric street railway to replace the mule line now in operation whose franchise expires on April 27, 1920. The term of the contract is 40 years from the date of organization of the company, which shall take place at least by the time the franchise of the present company expires. To be valid the contract must have the approval of the governor of the Department. This has not been given, but it is considered unlikely that it will be denied. The new system will consist of a power plant run by steam, 10 kilometers of track and 16 electric cars. The equipment will be increased as the growth of the city requires. Nothing has as yet been done with regard to the construction of the system and the purchase of material. (Interested engineers and manufacturers should refer to file No. L. A. 24 for the names of financial interests principally involved.)

## GOING AFTER CONTRACTORS.

WASHINGTON, Dec. 18.—The Senate Committee appointed to investigate public buildings constructed during the war under supervision of the United States Housing Corporation has recommended to the Senate that steps be taken to recover money which it is charged was improperly paid for work done for the corporation.

Should persons and corporations receiving the alleged overcharges refuse to make voluntary restitution, the committee recommended that civil action be instituted by the Government.

## COMPLETION NOTICES

## San Francisco County

Dec. 17, 1919—LOT 45, BLK 2, Lakeview. The McCarthy Co. to James Arnett & Son, Dec. 17, 1919.

Dec. 17, 1919—NE TWENTIETH AVE and Balboa E 32-6XN 196. O. M. C. and L. P. Webb to whom it may concern, Dec. 16, 1919.

Dec. 19, 1919—LOT 17, BLK 24, West End Map No. 1—166 feet SW of 19th Ave. Ynez Ave. on Delano Ave. L. Battaini to Bert Gholto, Dec. 19, 1919.

Dec. 19, 1919—W TWELFTH AVE 50 S Stevenson St. on 12th Ave. No. 25-12th. M. L. Nare to Louis J. D. (b) Dec. 17, 1919.

## BUILDING CONTRACTS

## Alameda County

4133	Trahan	Vaughn	3500
4136	Vaughan	Vaughan	3500
4137	Baumann	Owner	2450
4138	Randolph	Weichoff	15000
4139	Hildebrand	Owner	4000
4140	Smnry Av Ld Co	Owner	6000
4141	Hendrickson	Owner	2500
4142	Farmer	Westlund	400
4143	Hood	Hood	500
4144	McKinley	Mowat	900
4145	Bartle	Wallace	500
4146	Smnry Av Ld Co	Owner	6000
4147	MacGregor	Owner	4900
4148	Abbott	Owner	4500
4149	Cromwell	Scheussler	3200
4150	Cromwell	Scheussler	3200
4151	Petersen	Cooley	400
4152	Canning	Owner	3000
4153	Vinson	Morris	12000
4154	Lakeshore	Strang	8500
4155	Lakeshore	Strang	8750
4156	Marquis	Owner	6000
4157	Holmes	Holmes	3100
4158	Stolte	Owner	2850
4159	MacGregor	Owner	5000
4159	MacDonald	Omo	3500
4160	Schafer	Mathies	600
4161	Ballard	Corbett	475

DWELLING  
(1135) N ARLINGTON AVE 90 E  
Gaskill, Oakland. One-story 5-room  
dwelling.  
Owner—Carrie Trahan, Berkeley.  
Architect—None.  
Contractor—M. C. Vaughn, 5833 Ayala,  
Oakland.

COST, \$3500

DWELLING  
(4136) E DOLORES AVE 240 S Park  
Blvd., Oakland. One-story four-room  
dwelling.  
Owner—Frances P. Vaughan, 1124  
Hampel, Oakland.  
Architect—None.  
Contractor—John Vaughan, 1124 Ham-  
pel, Oakland.

COST, \$2500

DWELLING  
(1137) N HILLSIDE 50 E 77th Ave.,  
Oakland. One-story 6-room dwlg.  
Owner—Fred Baumann, 2000 45th Ave.,  
Oakland.  
Architect—None.  
Day's work.

COST, \$2450

DWELLINGS  
(4138) N OILION 285, 245, 205, 165 and  
125 W 64th Ave., Oakland. Five one-  
story 5-room dwellings.  
Owner—J. Randolph, 8412 E-14th, Okd  
Architect—None.  
Contractor—Weichoff & Young, 8412  
E-14th, Oakland.

COST, \$3000 each

DWELLING  
(4139) N ROSLEN 140 E Warfield,  
Oakland. One-story 5-room dwlg.  
Owner—C. G. Hildebrand, 3257 Galindo,  
Oakland.  
Architect—None.  
Day's work.

COST, \$4000

DWELLINGS  
(4140) N SIXTY-FIRST AVE 200 and  
240 S Braun, Oakland. Two one-story  
5-room dwellings.  
Owner—Seminary Ave. Land Co, 105  
Montgomery St., San Francisco.  
Architect—None.  
Day's work.

COST, \$3000 each

DWELLING  
(4141) W TWENTY-THIRD AVE 39  
N E-29th, Oakland. One-story five-  
room dwelling.  
Owner—Annie Hendrickson, 2036 7th,  
Oakland.  
Architect—None.  
Contractor—A. Hendrickson.

COST, \$2500

GARAGE  
(4142) NO. 925 E-TWENTY-SECOND,  
Oakland. Garage.  
Owner—Frances A. Farmer.  
Architect—None.  
Contractor—Fred J. Westlund, 2207  
10th Ave., Oakland.

COST, \$400

ALTERATIONS  
(4143) NO. 1035 FIFTY-THIRD, Oak-  
land. Alterations.

Owner—Frank B. Hood, Premises.  
Architect—None.  
Day's work.

COST, \$500

SHED  
(4144) NO. 487 NINTH, Oakland. One  
story brick shed.  
Owner—McKinley Market, Premises.  
Architect—None.  
Contractor—J. Mowat, 25 Oak Grove,  
San Francisco.

COST, \$900

DWELLING  
(4145) E SEVENTY-FOURTH AVE  
354 N E-14th, Oakland. One-story 2-  
room dwelling.  
Owner—Martha K. Bartle, 1419 72nd  
Ave., Oakland.  
Architect—None.  
Contractor—S. A. Wallace, 1419 72nd  
Ave., Oakland.

COST, \$500

DWELLINGS  
(4146) E SIXTY-FIRST AVE 200 and  
240 S Braun, Oakland. Two one-story  
5-room dwellings.  
Owner—Seminary Ave. Land Co, 105  
Montgomery St., San Francisco.  
Architect—None.  
Day's work.

COST, \$3000 each

DWELLING  
(1147) PIEDMONT COURT, Pied-  
mont. Two and one-half story  
dwelling.  
Owner—C. M. MacGregor, 470 13th,  
Oakland.  
Architect—None.  
Day's work.

COST, \$4900

DWELLING  
(4148) FAIRVIEW AV. near Oakland  
Ave., Piedmont. Two-story frame  
dwelling.  
Owner—Dr. Mary L. Abbott, 323 E-19th  
Oakland.  
Architect—None.  
Day's work.

COST, \$4500

DWELLINGS  
(4149) W NORTH 40 N Jaynes, Ber-  
keley. One-story 6-room dwelling.  
Owner—B. Cromwell.  
Architect—None.  
Contractor—H. H. Scheussler, 2436 Tel-  
egraph Ave., Berkeley.

COST, \$3200

DWELLING  
(4150) E JEFFERSON 80 S Jaynes,  
Berkeley. One-story frame, six-  
room dwelling.  
Owner—B. Cromwell.  
Architect—None.  
Contractor—H. H. Scheussler, 2436 Tel-  
egraph Ave., Berkeley.

COST, \$3200

DWELLING  
(4151) NO. 281 TWENTY-FOURTH ST.,  
Oakland. One-story 1-room dwlg.  
Owner—P. Petersen, Premises.  
Architect—None.  
Contractor—R. H. Cooley Mfg. Co., 963  
33rd, Oakland.

COST, \$100

ADDITION  
(4152) NO. 850 FORTY-SECOND AV.,  
Oakland. Two-story frame addition.  
Owner—B. B. Canning Co, Premises.  
Architect—Chester H. Miller, Perry  
Blvd., Oakland.  
Day's work.

COST, \$3000

APARTMENTS  
(4153) N RAND AVE. 650 E Lake  
Park Ave., Oakland. Two-story 18-room ap-  
artments.  
Owner—R. B. Vinson, 400 Syndicate  
Bldg., Oakland.  
Architect—None.  
Contractor—Solomon Morris, 1507 Har-  
rison St., Oakland.

COST, \$12,000

DWELLING  
(1154) S ROSEMOUNT ROAD 100 E  
North Vale Road, Oakland. Two-  
story 8-room dwelling.  
Owner—Lakeshore Highlands Co.  
Architect—None.  
Contractor—F. N. Strang, 1405 Cen-  
tral Ave., Alameda.

COST, \$6500

DWELLING  
(4155) S ROSEMOUNT ROAD 950 E  
Lakeshore Ave., Two-story 8-room  
dwelling.

Owner—Lakeshore Highlands Co.  
Architect—None.  
Contractor—F. N. Strang, 1405 Cen-  
tral Ave., Alameda.

COST, \$8750

DWELLING  
(4156) E THOMAS 250 and 285 N  
Broadway Tract, Oakland. Two,  
one-story 5-room dwellings.  
Owner—E. M. Marquis, 2827 Russell,  
Berkeley.  
Architect—None.  
Day's work.

COST, \$3000 each

DWELLING  
(4157) NO. 1500 UNION ST., Alameda.  
One-story 4-room dwelling.  
Owner—Raymond Holmes, Locksley  
Hall Apartments, S. F.  
Architect—None.  
Contractor—A. S. Holmes, 1179 Regent  
St., Alameda.

COST, \$3100

DWELLING  
(4158) NO. 2608 BUENA VISTA AVE.,  
Alameda. One-story 5-room dwell-  
ing.  
Owner—F. C. Stolte, 3449 Laguna Ave.,  
Oakland.  
Architect—None.  
Day's work.

COST, \$2985

DWELLINGS  
(4159) W BAKER 145-180 N Oregon,  
Berkeley. Two one-story 5-room  
dwellings.  
Owner—C. M. MacGregor, 470 13th St.,  
Oakland.  
Architect—None.  
Day's work.

COST, \$2500 each

DWELLING  
(4159) SE. ELEVENTH AVE and E-  
22nd St., Oakland. One-story 5-room  
dwelling.  
Owner—J. D. MacDonald, 1121 E-22nd  
St., Oakland.  
Architect—None.  
Contractor—Fred Omo, 2128 11th Ave.,  
Oakland.

COST, \$3500

GARAGE  
(4160) S ROSAL AVE. 85 E Santa Ray  
Ave., Oakland. Garage.  
Owner—E. E. Schafer.  
Architect—None.  
Contractor—H. C. Mathies, 180 Jessie,  
San Francisco.

COST, \$600

ALTERATION  
(4161) NO. 1210 WASHINGTON ST.,  
Oakland. Alteration.  
Owner—Jim Ballard.  
Architect—None.  
Contractor—Corbett & Bayliss, 1110  
Franklin, Oakland.

COST, \$475

## CANCELLATION OF CONTRACT.

Alameda County.  
Dec. 26, 1919—NO. 522 MYLIE ST.,  
Oakland. Owner, Luigi Gugena;  
contractor, J. A. Pones. Contract  
made December 4, 1919.

## COMPLETION NOTICES

## Alameda County

Dec. 19, 1919—LOT 2 BLK "B" West-  
moreland Park, Berkeley. Milton  
Schroeder to Halger Nielson.....  
Dec. 19, 1919  
Dec. 20, 1919—LOTS 6 AND 7 Oak  
Ridge, Bkly. G. A. Mattern to Oak-  
land. Irving Co., Inc. ....  
Dec. 20, 1919  
Dec. 20, 1919—NO. 1515 WEBSTER,  
Oakland. Young Women's Chris-  
tian Association to B. C. Farqu-  
hanson .....  
Dec. 22, 1919  
Dec. 22, 1919—NE WALAVISTA and  
Arino Aves., Oakland. Nettie M.  
Stevenson to whom it may con-  
cern .....  
Dec. 19, 1919  
Dec. 22, 1919—NO. 1515 WEBSTER,  
Oakland. Young Women's Chris-  
tian Association to B. C. Farqu-  
hanson .....  
Nov. 24, 1919  
Dec. 22, 1919—LOT 7, BLK. 8, Thou-  
sand Oaks Tract, Bklyn. No. 850  
The Alameda, Berkeley. Reed W.  
Thomas to whom it may concern  
.....  
Dec. 20, 1919

Dec. 22, 1919—SW SUTER 185.27 NW High SW 98.26xNW 35, Oakland. Waterfront Sash & Door Co to H S Pratt. Dec. 22, 1919  
Dec. 22, 1919—NE SUTER 205.39 NW High NE 98.26xNW 35, Oakland. Waterfront Sash & Door Co to I S Tuttle. Dec. 22, 1919  
Dec. 23, 1919—NW COR. PARK AVE. and Harlan St., Emeryville. Western Canning Co. by E. J. Walker Co. to Cyclops Iron Works. Dec. 23, 1919  
Dec. 23, 1919—E FRANKLIN 60.3 N 14th N 145-9, E 150, S 145-9, W 47-10 1/2, S 60-3, W 30-6, N 60-3, W 71-7 1/2, Oakland. B. E. Cotton, Sec. Archon Co. to Central Iron Works. Dec. 15, 1919  
Dec. 24, 1919—LOT 40 and Ptn Lot 41, Blk 2039 Paradise Plot, Okla. Guy Taylor to whom it may concern. Dec. 15, 1919  
Dec. 26, 1919—PT. 40 S AND 30 W of SW cor. 1st and Jefferson Sts. W 50, S 50, W 100, S 60, E 150, N 110, Oakland. Pacific Gas & Electric Co. to Ralph M. Bundschu & Charles K. Brown (Asbestor Co. of California).

## LIENS FILED.

## Alameda County

Nov. 17, 1919—S CHABOT ROAD 40 Hearn W 10xS 100, Okla. Hogan Lumber & Mill Co vs R H Shultz and W Jespersen & A Dippo \$611.90  
Nov. 18, 1919—S E-TWENTY-THIRD 100 E 7th Ave 50xS 150, Okla. W P Fuller & Co vs Henry R Vail and L V Dixon. \$131.23

## BUILDING CONTRACTS.

## Santa Clara County.

OIL STATION  
SANTA CLARA and Montgomery, San Jose. Oil service station.  
Owner—Union Oil Co., San Jose.  
Architect—None.  
Day's work. COST, \$2000

OIL STATION.  
SAN FERNANDO opp. San Pedro, San Jose. Oil service station.  
Owner—Union Oil Co., San Jose.  
Architect—None.  
Day's work. Cost, \$2000

## COMPLETION NOTICES.

## Santa Clara County.

Recorded  
Dec. 16, 1919—PALO ALTO. Mrs. Lou Henry Hoover to H P Nelson. Dec. 16, 1919  
Dec. 19, 1919—FIRST AND SAN ANTONIO Sts., San Jose. Wiley B Allen Co to Morrison Bros. Dec. 19, 1919  
Dec. 19, 1919—FIRST AND SAN ANTONIO Sts., San Jose. Wiley B Allen Co to W J Moore. Nov. 25, 1919  
Dec. 19, 1919—FIRST AND SAN ANTONIO Sts., San Jose. Wiley B Allen Co to J P Jarman Co. Nov. 25, 1919  
Dec. 19, 1919—PALO ALTO. Geo F Brown to Mt. View Home Builders, Inc. Dec. 12, 1919  
Dec. 19, 1919—ACE ST., near Sacto. Jose. S J Spoelstra to R O Summers. Dec. 15, 1919  
Dec. 23, 1919—PALO ALTO. Grace G Mortimer to Mt. View Home Builders, Inc. Dec. 16, 1919  
Dec. 23, 1919—NEAR SAN JOSE. O K Cushing to Louis Cereghini. Dec. 15, 1919

## RELEASE OF LIENS.

## Santa Clara County.

Recorded Amount  
Dec. 19, 1919—TWELFTH AND SAN Antonio Sts., San Jose. Ralsch Improvement Co to P W Todd. \$346.29

## BUILDING CONTRACTS.

## Fresno County.

DWELLING AND GARAGE  
HAZELWOOD, LOT 3, BLK. 23 and lot 4, BLK. 6, Fresno. Two frame dwellings and garages.

Owner—Ewing & Meux.  
Architect—None.  
Contractor—Reese & Atkins, 3643 Platt, Fresno.  
COST, \$2800 and 2300

FLATS  
LOTS 32, 33, 34, BLK. 9, ALHAMBRA Tract, Fresno. Frame flats.  
Owner—Louis Scholler, 1942 Mariposa, Fresno.  
Architect—None.  
Contractor—E. Riggins, 317 Mason Bldg., Fresno.  
COST, \$20,000

DWELLING AND GARAGE  
LOT 3, BLK. 12, WILSON TRACT, Fresno. Frame dwelling and garage.  
Owner—L. D. Schnavel, 1145 Echo, Fresno.  
Architect—None.  
Contractor—J. F. Bates, 1264 Roosevelt, Fresno.  
COST, \$5000

DWELLING AND GARAGE  
LOT 11, BLK. 21, BELMONT ADD., Fresno. Frame dwelling and garage.  
Owner—Tom Thorp.  
Architect—None.  
Contractor—J. C. Clark, 153 Clark, Fresno.  
COST, \$3000

DWELLING AND GARAGE  
LOT 13, BLK. 10, TERRY TRACT, Fresno. Frame dwelling and garage.  
Owner—F. I. Blayney, 413 Poplar, Fresno.  
Architect—None.  
Contractor—J. C. Clark, 153 Clark, Fresno.  
COST, \$2500

DWELLING AND GARAGE  
LOTS 40 & 41, IRVINGTON ADDITION, Fresno. Frame dwelling and garage.  
Owner—Clara E. Newman, 146 Howard, Fresno.  
Architect—None.  
Contractor—H. O. Lawrence, 2260 Webster, Fresno.  
COST, \$3500

REPAIRS  
NO. 1950 "S" ST., Fresno. Repairs to building.  
Owner—H. H. Holland, 2048 Mariposa, Fresno.  
Architect—None.  
Contractor—E. J. Farr, 245 Fortcamp, Fresno.  
COST, \$5500

ALTERATION  
LOTS 24, 25, BLK. 62, Fresno. Alteration.  
Owner—Kutner-Goldstein Co., 1801-11, Mariposa, Fresno.  
Architect—None.  
Contractor—E. Riggins, 317 Mason, Fresno.  
COST, \$

DWELLING AND GARAGE  
LOTS 13, 16, BLK. 4, STRATFORD PLACE, Fresno. Frame dwelling and garage.  
Owner—Blackwell Building Co., 202 Trust Co. Bldg., Fresno.  
Architect—None.  
Day's work. COST, \$3000

DWELLING AND GARAGE  
LOTS 22, 23, BLK. 22, ARLINGTON Heights, Fresno. Frame dwelling and garage.  
Owner—Fisher & McNulty, Fresno.  
Architect—None.  
Day's work. COST, \$3000

DWELLING AND GARAGE  
LOTS 29, 30, BLK. 54, EAST FRESNO. Frame dwelling and Garage.  
Owner—Albert Bowen, Fresno.  
Architect—None.  
Day's work. COST, \$6000

DWELLING AND GARAGE  
LOT 6, BLK. 1, MT. OLIVE, Fresno. Frame dwelling and garage.  
Owner—Nels N. Nelsen, 848 Roosevelt, Fresno.  
Architect—None.  
Day's work. COST, \$3550

## COMPLETION NOTICES.

## Fresno County.

Recorded Accepted  
Dec. 18, 1919—LOT 9 BLK 27, Hazelwood, Fresno. Clara M. Mang to whom it may concern. Nov. 28, 1919

## BUILDING CONTRACTS.

## Sacramento County.

GARAGE  
W 38-3 1/2, OF LOT 3, "K," "L," 13TH and 13th, Sacramento. One-story brick and frame garage.  
Owner—A. M. Ardery.  
Architect—None.  
Contractor—G. L. Herndon and Henry Finnigan, 1714 16th, Sacramento.  
COST, \$17,281

RESIDENCE  
NO. 3712 "S" ST., Sacramento. One-story 6-room frame residence.  
Owner—C. N. Gache, 720 Capital Bank Building, Sacramento.  
Architect—None.  
Contractor—A. W. Norris, 3012 "G" St., Sacramento.  
COST, \$4000

RESIDENCE  
NO. 716 TWENTY-FIRST ST., Sacramento. One and one-half story 8-room frame residence.  
Owner—C. Knox, 2019 "L" St., Sacramento.  
Architect—None.  
Contractor—A. W. Norris, 3012 "G" St., Sacramento.  
COST, \$6500

DWELLING AND GARAGE  
NO. 1919 THIRTY-FIFTH ST., Sacramento. One-story 5-room frame dwelling and garage.  
Owner—M. T. Jewell, Sacramento.  
Architect—None.  
Day's work. COST, \$3300

SW NINTH and "L" Sts., Sacramento. Two-story brick and concrete garage.  
Owner—C. E. Phipps, 1418 "N" St., Sacramento.  
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.  
Contractor—C. J. Guth, 1516 27th St., Sacramento.  
COST, \$35,746

NO. 407 "K" ST., Sacramento. Re-model residence.  
Owner—J. Blanth, Premises.  
Contractor—C. Vanina, 2022 "M" St., Sacramento.  
COST, \$7500

NO. 3418 THIRD AVE., Sacramento. Addition to garage.  
Owner—W. F. Foster, Sacramento.  
Architect—None.  
Contractor—Simmonds & Birdsall, Sacramento.  
COST, \$1200

## BUILDING CONTRACTS.

## San Joaquin County.

TANNERY.  
FREMONT ST. bet. El Dorado and Hunter streets, Stockton. Tannery.  
Owner—Wagner Leather Co., 545 N. Hunter, Stockton.  
Architect—None.  
Day's work. COST, \$42,133

SERVICE STATION  
HUNTER and Miner Ave., Stockton. Service station.  
Owner—Union Oil Co., 526 W Weber, Stockton.  
Architect—None.  
Day's work. COST, \$2500

NORTH STOCKTON ST. bet. Park and Flora Sts., Stockton. Frame residence.  
Owner—Mrs. Fred W. Allen, Stockton.  
Architect—None.  
Day's work. COST, \$5000

NO. 618 E-ANDERSON ST. bet. San Joaquin and Sutter, Stockton. Re-model building.  
Owner—K. Gould, Premises.  
Architect—None.  
Day's work. COST, \$2500

## War Memorial for San Francisco Civic Center.

Architects Glass and Butner of San Francisco Preparing Plans for Two Million Dollar Structure for Veterans.

An immense memorial building, of striking splendor, will soon grace the famed Civic Center of San Francisco. Plans and specifications calling for a \$2,000,000 memorial of granite have been approved by an organization of well known citizens, headed by Louis A. Colton, of the Zellerbach Paper Co., past president of the San Francisco Ad Club. The proposed building, designed to commemorate the memory of those who offered their all in the war service of the United States, will serve not only as a lasting monument architecturally, but will be such a combination of war museum, pageant producing auditorium, Americanization hall, and meeting place for war veterans, that its function will be fully as practical as memorial. One section will house all the relics of the World War, trophies captured from the Huns, as well as the honored colors of all the San Francisco war outfits who took part in any war for the United States of America. Another section will provide for the production on an immense scale of patriotic pageants for the Fourth of July, Memorial Day, and other anniversaries, with the giving of moving-picture lectures, regularly, under the auspices of the Board of Education to help make the children of San Francisco 100 per cent American.

The first general meeting of the organizers was held in the offices of Col. Milton A. Nathan, commander of the Rocky Mountain Division of the United Veterans of the Republic. After hearing the report of Chauncey McGovern, who has been in correspondence for the past six months with War Veteran Memorial bodies all over the United States as to what has been done and what is planned for other sections, the resultant plans, prepared by Glass & Butner, architects, who served in the great war, were approved, and Nathan was appointed general counsel to draw up the papers necessary for the formation of an association of public-spirited citizens to ensure the prompt erection of the memorial. Shares will be sold the general public at one dollar each so that every man, woman and child who lives in San Francisco can participate in the glory of erecting the building, which the organizers claim will be the finest of all the memorial structures in the world, not exclusive of the \$10,000,000.00 "National Victory Memorial Building" which is being constructed at the National Capital.

Louis A. Colton was elected president pro tem, and Chauncey McGovern, 1st vice-commander of the United War Veterans, who has devoted six months' time to gathering data about war memorials from all parts of the world, was elected executive secretary pro tem.

Among those present who signed the preliminary articles of incorporation, besides Messrs. Colton, Nathan and McGovern, were: Col. Sir. L. Simonds, past commander of the G. A. R.; Col.

J. F. Wm. Unfug, commander of the National Indian War Veterans; Captain Alex. H. Aldrich, U. S. Army; Captain Harold H. Lunderback; J. W. Jackson, commander of Golden Gate Post, No. 40, American Legion; and Mrs. Alice Stewart, commander of the Women's Auxiliary United Spanish War Veterans.

Official statements of the proposition were ordered sent to all San Francisco clubs and associations interested in honoring our local heroes, in making our children more truly American, and in erecting in San Francisco a memorial building which would serve as an attraction to tourists who would journey far to see the finest war memorial in the world.

### CHIMNEY BUILDERS ACCUSED OF MONOPOLY.

NEW YORK.—Five corporations and fifteen individuals were accused in Federal Court of violating the Sherman Anti-Trust Act by attempting to monopolize the building of brick chimneys in half a dozen States.

The defendants, who pleaded not guilty to indictments, were held in \$1,000 each for trial.

### LATIN AMERICAN TRADE NOTES.

[File numbers cited refer to reserved information or trade lists which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or co-operative offices.]

### Electrification of the Central of Brazil Railway.

In accordance with recommendations from the director of the Central of Brazil Railway, the Minister of Communications and Public Works of Brazil has named Hector Lyra da Silva as assistant technical engineer for the special work of undertaking the necessary studies for the electrification of the line from Barra do Pirahy. He has instructions to prepare the estimates and the tenders for public bids. Reference to this project was made in Commerce Reports No. 145, of June 21, 1919. Further details may be obtained from the commercial attaché at Rio de Janeiro. (Refer to file No. L. A. 21 for financial interests connected with the project.)

### AUSTRALIAN IMPORT RESTRICTIONS.

[Cablegram from Trade Commissioner Perrin, Melbourne, Nov. 3, 1919.]

Pending the new tariff bill in March, the following goods are prohibited from importation into Australia, except under special license: Potable ethyl alcohol, cocoa and chocolate, nickel silver, britannia, and antifriction metals; type and linotype metals; gunmetal bars, rods, and ingots; brass and copper angles, tees, bars, rods, pipes, tubes, sheets, and plates; zinc and spelter; rails and railway material; all steel, including high-speed steel; pig iron, iron ingots, blooms and billets; benzol; naphtha; all paints and colors, except varnishes; plaster of paris; carbolic acid; crude creosote, crude tar oils; arsenate of calcium, lead, and soda; arsenate of soda and zinc; carbolic disinfectants; sodium hyposulphite; sodium arsenic; naphthalene; arsenic; sulphide; ethyl chloride; sodium sulphate; barite-

ological products and scrums; three-ply veneers; strawboards; frames for side cars; wheels, steel and steel rimmed, for railways and tramways, including tires, axles, etc.; panels for mudguards for automobiles; yarns, and hosiery.

### TIME IS MONEY.

The Western Union has raised the rental on its clocks from \$1.50 to \$1.75 a month. Another instance of time meaning money. Maybe the Western Union will follow the example of all other unions and soon charge time and a half for operating the clocks at night.—San Mateo News-Leader.

### KRUPP'S AWARDED LARGE CONTRACTS.

German Firm Takes Order From Its Government for Locomotives and Freight Cars.

The Bureau of Foreign and Domestic Commerce reports information secured from a recent issue of the "Kölnische Volkszeitung" to the effect that the German government has awarded contract to Krupp's for the manufacture and delivery annually of 100 locomotives and 2,000 15-ton freight cars. The price to be paid will be based, it is understood, on the actual cost of labor and material used on which the Krupp's will be allowed a profit of 2%.

According to the report, the German government will specify a price for the cars and locomotives and any profits accruing from their sale above the cost of production will revert to the national treasury. On the same authority it is said that shortly after the signing of the armistice Krupp's converted two of its munition factories into railroad-stock factories, pecially for 300 heavy locomotives and partly for 30 heavy locomotives and 2,500 15-ton freight cars.

### RAILWAYS IN SOUTH CHINA.

(Board of Trade Journal.)

When one considers the vast area, population and resources of China, there is little doubt that the country will shortly witness great activity in the development of its railways. Railway construction has been in abeyance since 1914, and although conditions at present are too unsettled to promise any immediate resumption on a large scale, plans have been laid for several extensive schemes. Consequently, a brief review of the proposals already mapped out in Southwest China should be of interest to investors, railway contractors, and manufacturers of railway material.

Railway construction south of the Yangtze has not, up to the present, kept pace with that in North China, where there are few navigable waterways. In the South, on account of many excellent rivers, the need has not been so urgent. The railways south of the Yangtze already constructed or under construction are:

(1) Shanghai-Nanking Railway. — Connected through the Tiensin-Pukow Railway with the railway systems of North China. Length 204 miles. (Completed.)

(2) Shanghai-Hangchow Ningpo Railway. — Length 218 miles. (Com-

pected from Shanghai to Hangchow, 118 miles, and from Ningpo to Pokwan, 60 miles, and a mile or two from Hangchow toward Pokwan.)

(3) Changchow-Amoy (Changsha) Railway.—Length 20 miles. (Completed.)

(4) Swatow-Chachowfu (Chasshan) Railway.—Length 26 miles. (Completed.)

(5) Canton-Kawloon Railway.—Length 111 miles. (Completed.)

(6) Sunning Railway.—Townshan to Kongmoon. Length between 50 and 90 miles. (Completed.) Extension from Sunning to Youngkong has been partly constructed and a branch to Canton has been surveyed.

(7) Canton-Hankow (Yueh Han) Railway.—(Partly constructed.)

(8) Canton-Samshui Railway.—Length 30 miles. Branch of Canton-Hankow Railway. (Completed.)

(9) Yunnan Tongking Railway.—From Yunnanfu to Haifong. Length 634 miles, of which 289 are in China. (Completed.)

(10) Nanchang Railway.—Klukang to Nanchang. Length 60 miles. (Completed.)

(11) Changsha-Chuchow-Pingshiang Railway.—Length 65 miles. (Completed.) The Changsha-Chuchow section, length 33 miles, is to become part of the Canton-Hankow Railway.

#### Proposed Railways.

The railways which have been proposed include a line from Chungking or Suifu in Szechwan to Yunnanfu, and from Yunnanfu to Pakhoi or Kwangchow in Kwangtung with a branch from Nanning in Kwangsi, 100 miles northwest of Pakhoi, to Langson in French Indo-China. Length about 600 miles. This railway connects the hinterland of Southwest China with the Yangtze and with Szechwan, and also gives it communication with the sea, while the proposed branch to Langson connects it with the railways of French Indo-China. Before the war this line was to have been financed under a French contract. The route would be from Pakhoi to Yamchow, and thence to Nanning, from Nanning over the Yukiang River, a branch of the West River, to Poseh, the highest point reached by motor-boat traffic, and from Poseh to Kueichingfu, and thence to Yunnanfu. No great difficulties in the construction of the line present themselves, and the cost is estimated as being less than that of the French Haifong Yunnan Railway. The line would provide an outlet to the sea for the products of western Kwanghsi, Kweichow, and east Yunnan. The Yunnanfu-Suifu section would provide a possible new outlet for the products of the rich Province of Szechwan. The topographical difficulties, however, are great, and the cost of construction will probably be high. The high cost of railway transport would probably insure the continued use of the Yangtze valley for the carriage of Szechwan products to the sea, and the chief use of the Yunnanfu-Suifu section, if constructed, would rather be to carry part of the produce of Yunnan northward to the Yangtze than to act as a feeder for the Yunnan-Pakhoi line.

The Yunnanfu-Tailu section of the Yunnanfu-Burma Railway appears quite feasible, and if constructed should bring to the Yunnanfu-Pakhoi Railway part of the produce of southern Szechwan, and perhaps Tibet,

besides opening up the richest part of the Yunnan Province. The Shasi-Singyifu Railway, which is mentioned below, should bring to the Yunnan-Pakhoi line much of the produce of Kweichow. The Nanning-Langson branch would provide a line of communication between the railways of French Indo-China and Canton by means of the proposed Nanning-Canton line.

The chief agricultural products of Yunnan are rice, wheat, maize, beans, sugar cane, walnuts, etc., and hides and furs are exported. Yunnan is regarded as the richest mineral Province in China, and its resources include coal, copper, silver, gold, zinc, iron, tin, antimony, bismuth, quicksilver, nickel, platinum, tungsten, and salt. The value of the mineral wealth is, however, unknown, owing to the unscientific methods of mining hitherto adopted. Tin is, however, produced near Mengtze in sufficient quantities to export. There are indications that sufficient coal for railway purposes is to be found near Kueichingfu, as well as iron and copper in the Yangtze River district of Yunnan. Along the Yukiang agriculture is limited to the valleys, but cattle grazing in the hills may be materially increased. Rice, wheat, maize, millet, beans, buckwheat, sugar cane, potatoes, groundnuts, cotton, bamboo, raw silk, and indigo are the principal agricultural products, and hides are an important item of export. Deposits of pottery clay and coal are reported midway between Nanning and Poseh, close to the Yukiang River. Below Nanning the railway would have to face the competition of water-borne traffic, as motor boats ascend as far as Nanning except at very low water. Coal is reported at Yamchow. The population to be served by the railway is estimated at 7,500,000.

#### Other Lines Under Consideration.

The proposed Chuchow-Chinchow Railway will run from Chuchow in Hunan, south of Changsha to Chinchow (Yamchow) or Pakhoi in Kwangtung, via Paoking (with a branch to Chienyan.) Kweilian, Liuehowfu, and Nanning. Alternate routes for this project are (1) from Liuehowfu, via Kweihien to Kwangchow and (2) following the Canton-Hankow Railway to Hengchow, and thence via Yungchow to Kweilian. This railway is under an American contract. It would open up parts of Hunan and Kwangsi, and with the Nanning-Langson branch mentioned in the foregoing project, the Nanking-Changsha Railway, which is referred to below, and the Shanghai-Nanking Railway, would form a part of a main line between French Indo-China and Shanghai. The country tapped by this railway produces beans, bamboo, nutgalls, tobacco, wool, oil, raw silk, and timber. Kweichow is reported to be rich in minerals, but, as in Yunnan, their value is as yet unknown. Nitrate of potash is the chief mineral export. Coal is found near Kweiyang and on the western border.

Shasi-Singyifu Railway.—From Shasi on the Yangtze River in Hupeh, via Changte and Shenchow in Hunan to Kweiyang, the capital of Kweichow, and thence to Singyifu, and possibly on to Yunnanfu. This railway would run through the heart of Hunan and Kweichow, and provide these Provinces with means of access to the Yangtze River on the one hand and the Yunnan-Pak-

hoi Railway (1) on the other. The Singyifu-Chienyan section would, with the Paoking branch of the Chuchow-Chinchow Railway (2) and the Chuchow-Nanking section of the Nanking-Changsha Railway, provide direct railway communication between Yunnanfu and Shanghai.

Nanning (in Kwangsi) to Canton.—This railway would, with the Yunnan-Pakhoi Railway, provide direct railway communication between Yunnanfu and Canton, and by means of the Nanning-Langson branch, between Canton and French Indo-China. On the other hand, its earnings would be seriously affected by competition with the water-borne traffic of the West River, and the cost of construction through the gorge section would be high.

Kweilian (in Kwangsi) to Wuchow.—This railway would open up part of Kwangsi Province.

Yunnan-Burma.—This proposal is for a line from Yunnanfu to Hsiakwan, and to Tengyueh and Bhamo, with a branch north from Hsiakwan to Tailu, and a branch south from Hsiakwan to Kunlong in Burma. The railway presents great engineering difficulties, and the cost would be high. It would therefore probably be years before an adequate return on the capital expended could be expected.

Canton-Macao (Kuang Ao) Railway.—The line is to run from Tongchun (Canton) to Macao, with a short branch line from Chen Chun to Kongmoon. Its total length is to be 116 miles. It has been sanctioned by the Ministry of Communications.

Linchow or Kwangchow to Canton.—The route proposed is either through Koehow, or nearer the coast with connection via Linchow with the French Indo-China Railway system. This railway would run more or less parallel to the proposed Nanning-Canton Railway and would compete with it in furnishing connection between Canton and Yunnan through a country in which there would be no water competition, and would run through the productive West River Delta country, with a population of over 15,000,000. It would run either through Koehow or by a route nearer the coast, with connection via Linchow with the French Indo-China Railway system.

The remaining proposals are Yeungchun to Yeungkong, Waku to Hangchow, and Nanking-Changsha Railways. The last will run from Nanking via Nanchang to Pingshiang, and thence by Changsha, Chuchow, Pingshiang Railway to Changsha. This line binds up parts of Kiangsu, Anhui, and Kiangsi. It is to run from Nanking via Nanchang to Pingshiang and thence by the Changsha-Chuchow-Pingshiang Railway to Changsha.

#### General Considerations.

Regarding China generally, it is advisable to remember that the railways already in existence have wrought remarkable changes in the habits and industry of the people. Regions which are not accessible to and have not been opened up by railways form an interesting contrast in this respect. Lack of easy communications has caused each district to grow all its own requirements, and the interchange of commodities grown in different districts has been limited. It is not to be expected, therefore, that a new railway would be immediately remunera-

live in Provinces such as Yunnan and Kweichow, which have always been handicapped by lack of communications. But experience in North China shows that the Chinese are not slow to see the advantage of growing in each district the crops most suitable to that district and interchanging them for the produce of other districts. The provision of good means of communication is also likely to lead to the growing of produce on land at present unproductive, and to a more intensive cultivation, and possibly to the introduction of irrigation schemes. The building of railways is conducive to industrial development, and possibly to mining development, in both Yunnan and Kweichow, thus providing freight for new railways. Moreover, the railways run through well-populated country, and an immediate passenger traffic is assured.

Within the next 25 years it may be expected that 50,000 or even 100,000 miles of railway will be built, linking up all the principal ports of China. The Canton-Samshui line earns approximately \$4,500 (say \$22,000) per mile per annum despite steam launch competition. Connected with the schemes of railway construction in the Canton district is the project for making a deep-water port 10 miles between Canton and connecting this port with all the railways running to Canton.

#### MONTEREY HAS NEW BUILDING CONCERN.

SALINAS, Cal.—Articles of incorporation of the Monterey Building corporation have been filed in County Clerk Joy's office. The new concern has a capital stock of \$50,000, divided into 500 shares of \$100, and the directors are B. F. Wright, P. J. Dougherty, Martha M. C. Hughes, C. C. Tougee and W. M. McMenamin.

#### ITALY'S LUMBER REQUIREMENTS.

Destruction of the invaded district of Italy, although bad enough, has not been so great as anticipated. Unless there is a tremendous industrial development as a consequence of the war, it seems likely that even with favorable freight rates Italy's requirements in the lines of rough and sawn lumber for ordinary commercial use will not exceed 2,000,000,000 to 2,500,000,000 board feet a year.

#### STEEL PRODUCTION IN NEWCASTLE, AUSTRALIA.

[Consul Lucien N. Sullivan, Newcastle.] The Newcastle steel works of the Broken Hill Proprietary Co. in the year ended May 31, 1919, made 155,172 tons of pig iron, 178,002 tons of steel ingots, 174,040 tons of coke, 2,630 tons of sulphate of ammonia, and 1,673,480 gallons of tar. The corresponding figures for 1918 were: Pig iron, 108,154 tons; steel ingots, 141,850 tons; coke, 109,069 tons; sulphate of ammonia, 1,718 tons; tar, 1,123,235 gallons.

During the past year there has been turned out at the works steel and plates for shipbuilding, rails and fishplates for Australian railways (and for those of New Zealand and South Africa as well), steel ingots for heavy forgings for steamships, rods for wire drawing, blooms for railway axles, merchant bar iron, and structural shapes.

Blast furnace No. 1 produced 62,677 tons of pig iron from June 1, 1918, to December 2, 1918, at which later date it was blown out. The new blast furnace, No. 2, was blown in on December 5, 1918, from which date to May 31, 1919, it produced \$13,231 tons of pig iron.

The foundry furnace began operations on July 17, 1918, since which date to May 31 of the present year 19,263 tons of foundry pig and 841 tons of spiegel and ferromanganese were produced, and it is now possible to supply all of the demands in this country for any kind of pig iron. The open-hearth capacity is being increased by the addition of two furnaces of improved type.

A quantity of plates for ship construction which had been ordered from the United States could not be supplied, and the local mill was modified so that some ship plates could be rolled. The present arrangement is temporary, but it is expected that the plate mill will be put on a permanent basis in the near future. The rod mill was put into continuous operation on September 2, 1918, and has been turning out good work.

Ninety-nine coke ovens are at present in operation, with 57 under construction and nearly finished. There will be a further addition of 39, making 195 in all when the coke-oven plant is completed.

#### COMMERCIAL HANDBOOK OF CHINA BEING PUBLISHED.

The Bureau of Foreign and Domestic Commerce is about to issue a Commercial Handbook of China in two volumes. Volume 1 is now in press, and Volume 2 will be ready soon. Both may be obtained, when published, from the bureau or its district and co-operative offices, or from the Superintendent of Documents, Government Printing Office, Washington, D. C.

#### ADDITIONS TO AUSTRALIAN IMPORT PROHIBITIONS.

The Australian commissioner, under date of November 6, has sent the following additions and modifications to the list of restricted imports in Australia as published in Commerce Reports for November 6, 1919: Rennet; muntz or yellow metal; German silver; bronze; gilding metal in sheets; antimony star; brass strip; copper strip and wire; phosphor copper, bars, rods, and ingots; manganese of chrome steel parts of grinding, crushing, or pulverizing machines; accumulators or storage batteries; electrical wire, cotton covered; collapsible tubes; iron bars, rods, angles, and tees; cresylic acid; arsenite of soda; arsenite of zinc; and arsenic sulphide. The item "potable ethyl alcohol" should be modified so as to read "absolute alcohol, amylic alcohol, collodion, ether, sulphuric anesthetic ethers, and ethyl acetate. Railway and tramway materials includes only rails, fishplates and fishbolts, tie-plates and rods, switches, points, crossings and intersections, beams and channels, girders and joists, rolled iron or steel. The item "all paints and colors, except varnishes," should read "heavy paints and colors, viz, white lead, dry; kalsomine water paints and distempers in powder form; white lead in oil; paint ground in liquid in packages over 14

pounds." The items sodium, arsenic, sulphide, and arsenate of zinc should be deleted, and the item hosiery and yarns should be hosiery yarns. Under the term zinc and spelter, only bars and ingots are included. Instead of benzol and naphtha, benzene naphtha and solvent naphtha are restricted.

#### THE PROPER PLACE TO CARRY IT.

Intoxicating liquor can only be carried outside a man's habitation inside his body, according to Illinois search and seizure act by Attorney General Brundage.

#### FAR EASTERN TRADE NOTES.

[Prepared by Far Eastern Division, Bureau of Foreign and Domestic Commerce; to which refer for fuller particulars.] The district and co-operative offices have reserve information where reference number is given.]

#### Road Building Materials and Equipment Wanted in Adelaide Australia.

A report just received from Consul H. P. Starrett, Adelaide, Australia, states that comprehensive plans were being made for a large amount of city road construction in his consular district and the engineer in charge desired that American manufacturers of road building materials, such as cement, asphalt, wood blocks, bricks, etc., and road building equipment such as motor trucks etc., should send their catalogues, literature, and price lists, fully describing the materials which they have to offer. (Refer to file No. FE-55.)

#### Opportunity in Peking for Modern Apartment House and an American Hotel.

A number of Americans in Peking, China, are of the opinion that a modern apartment house would prove a profitable enterprise in that city. A new first-class hotel is in course of erection by French interests, which is expected to be completed in about six months. It is thought that this, in addition to the present hotels in Peking, will not be sufficient to take care of the increasing number of tourists visiting the Chinese capital, and many feel that there is room for an American hotel also.

#### Increased Cable Facilities Necessary for the Development of Japanese-American Trade.

A representative in Japan of a large American firm recently made the statement that if the trade between Japan and the United States is to continue to develop, increased facilities for handling commercial cables and lower rates on them are immediate necessities. A further means, suggested by this representative, of developing Japanese-American trade is through the combination of American inventive genius and manufacturing experience with Japanese capital in the formation of joint-stock companies to manufacture in Japan certain classes of machinery to American designs and specifications.

#### Market for Hardware in New Zealand.

The industries of New Zealand which were retarded during the war have gradually been resuming operations, and as there is no steel manufactured in that country, a good demand exists for builders' hardware and machinery in general. Hardware entering New

Zealand is subject to a duty of 30 per cent when coming from all countries other than the United Kingdom and possessions, in which case it is subject to a duty of 20 per cent, with a war tax of 1 per cent, which is collected on all imports. (Refer to file No. FE-48.)

#### WATCHING THE DAILY "TRADE OPPORTUNITIES."

One of the many phases of the work of the Bureau of Foreign and Domestic Commerce in promoting trade may be observed in extracts from a letter from one of the outside offices of the Bureau. Not only does it show a class of practical results, being constantly obtained, but should prove an incentive to those who may be hesitant about consulting the Bureau and its wide facilities for assistance, which are free to the disposal of all properly interested persons. The incident referred to was in one of our Western States. Following are brief extracts from the letter which has just been received by the Bureau in Washington:

About three years ago a young man called at this office, stating that he desired to engage in exporting and importing, that he had no knowledge as to how to begin and requesting general information. The service rendered by the Bureau was explained and he was given as much data as possible. I explained to him the importance of subscribing to Commerce Reports and following the "Trade Opportunities" published therein daily. We went over these together and came to one in which a firm in Latin America desired to purchase certain semi-precious stones.

To his remark that if 100 American firms wrote to the same concern no one would receive any benefit, I replied that if no one wrote it would indicate that the United States was not prepared to handle the business.

He finally wrote and a correspondence ensued with the result that this young man secured a contract covering a period of years and for two years now he has been operating a factory employing 45 people, one-third of whom are highly skilled, and the value of his product is nearly \$100,000 annually.

He has been using his profits in furthering another exporting and importing business in which he is meeting with wonderful success. I would like to add that the trade in articles mentioned was previously entirely with Europe.

Saving money is easy with WAR SAVINGS STAMPS. They are always worth more than you paid for them.

#### POWDERED MILK PLANT.

SACRAMENTO, Cal. — Sacramento has a good chance of becoming the location of the Pacific Coast branch of the Collis Products Company, manufacturers of powdered buttermilk. A. G. Addison, general manager of the Clinton, Iowa, factory, which is said to have an output valued at \$1,000,000 yearly, has been here the past few days going into the matter with the Chamber of Commerce and milk and dairy men. If he decides to locate here, the manager said he would put in a plant costing not less than \$100,000. The powdered buttermilk product is used extensively in bakeries. It formerly was considered waste product.

#### CLEARING HOUSE REPORTS FROM CALIFORNIA CITIES.

Bank clearings as reported to California Development Board by the several clearing house cities for last week showing the amount of increase on corresponding date last year:

	Increase
San Francisco .....	\$201,722,872 \$75,029,417
Los Angeles .....	62,140,000 28,538,000
Oakland .....	10,953,671 3,068,455
Sacramento .....	8,355,274 3,607,734
San Diego .....	3,015,676 .....
Fresno .....	5,822,756 2,518,810
Stockton .....	7,150,700 5,184,000
San Jose .....	7,110,315 .....
Bakersfield .....	1,201,653 478,641
Pasadena .....	2,266,936 1,249,786
Long Beach .....	2,755,791 1,535,516
Berkeley .....	3,000,639 .....

#### RECENT PUBLICATIONS OF THE BUREAU OF STANDARDS.

Among the publications received in stock during the past week for sale by the Superintendent of Documents, Government Printing Office, are the following:

"Variation in Direction of Propagation of Long Electromagnetic Waves" (Standards Bureau Scientific Paper No. 353). Covers method of getting absolute minimum with direction finders, comparison of maximum and minimum methods, variations in observed direction, explanation of variations, and conclusions. Price 5 cents.

"Determination of the Output Characteristics of Electron Tube Generators" (Standards Bureau Scientific Paper No. 355). Covers oscillating tube, derived characteristics, power output, current output, etc. Price 5 cents.

"Electrolytic Resistance Method for Determining Carbon in Steel" (Standards Bureau Technologic Paper No. 141). Covers resistance of barium-hydroxide solution, absorption apparatus, temperature coefficients, apparatus for determining electrical resistance, meth-

ods for determining carbon, etc. Price 5 cents.

#### LUMBER FOR ABROAD.

SEATTLE, Wash.—Further indication of the world-wide demand for Northwestern lumber products is contained in the rate offerings of Gueret, Jacks & Partners, Inc., of Seattle, which announces that vessels are wanted to transport cargoes aggregating more than 62,000,000 feet of lumber from Puget Sound, Columbia River and British Columbia mills.

Included among the ports calling for Puget Sound cargo is Piraeus, the second largest city of Greece and one of the dominating ports which flourished in the ancient days, seeks to import 5,000,000 feet of local lumber. Other ports are Captown, Tsingau, Genoa, Bordeaux, Athens, Ostend, Antwerp including many others, which are seeking vessels for local lumber.

#### CLEARING HOUSE REPORTS FROM CALIFORNIA CITIES.

Bank clearings are reported to California Development Board by the several clearing house cities for last week showing the amount of increase on corresponding date of last year:

	Increase
San Francisco .....	\$164,580,266 \$38,444,821
Los Angeles .....	57,935,000 26,078,000
Oakland .....	9,628,359 1,667,614
Sacramento .....	8,743,211 3,915,961
San Diego .....	2,890,548 821,286
Fresno .....	6,343,719 2,822,739
Stockton .....	7,609,300 5,566,600
San Jose .....	5,743,477 .....
Bakersfield .....	1,054,659 434,903
Pasadena .....	2,000,935 1,011,987
Long Beach .....	2,694,495 1,594,226
Berkeley .....	2,982,948 .....

#### MILLIONAIRES' APARTMENT HOUSE FOR NEW YORK.

NEW YORK. — An all-millionaires apartment house, 16 stories high, to cost \$4,000,000, will be built soon in the exclusive Central Park West section it became known when a lease on the property for 21 years at an aggregate rental of more than \$2,000,000 was signed. Apartments will range from 29 rooms and 10 baths to 17 rooms and 7 baths. A staff of trained servants to relieve tenants of housekeeping duties will be maintained.

#### Government Trucks See F. L. BARRIS

WAREHOUSE, 351 NOE ST. ...

Phone Market 3900

Telephone Douglas 5114

## Valley Tie & Lumber Co.

Manufacturers and Wholesalers

### Pacific Coast Lumber Products

General Office: Eugene, Oregon

S.F. Office: 401 Balboa Bldg.

F. S. NOLAND, Resident Manager

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

# Iron

# work

Sidewalk Doors  
Elevator Cars  
Elevator Enclosures  
Store Fronts  
Smokestacks

Gratings  
Railings  
Fences & Grills  
Tanks  
Wirework

Fire Escapes  
Marqueses  
Folding Gates  
Cast Iron and  
Wrought Iron Stairs

## Michel & Pfeffer

### IRON WORKS

Phone Market 730 - 731

1415 Harrison St.

## JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

839-941 Mission Street

San Francisco

### Reinhart Lumber and Planing Mill Company

17th and Kansas Streets, San Francisco

PHONE MARKET 1057

General Lumber Yard

Dry Kiln Capacity 10 Million Feet per Annum  
General Mill and Cabinet Work, Stock  
Doors, Sash Frames and Mouldings

House Phone, Kearny 2967

Apartment Phone, Kearny 2307

## FRED H. BOGGS INSURANCE

734-744 Bush St.

SAN FRANCISCO

Member  
Insurance Brokers Exchange

## HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BLICH  
AROMATIC RED CEDAR  
COTTONWOOD-ELM-HOLLY  
SOUTHERN RED GUM  
HICKORY-LAUREL-MARLE  
OREGON MAPLE-PLAIN OAK  
QUARTERED OAK  
WYCKOCK BERING OAK  
POPLAR-WALNUT



BOXWOOD-EBONY-IRONBARK  
JENICERO-KOA-SPANISH CEDAR  
LIGNUMVITAE-MAHOAGANY  
ROSEWOOD-TEAK-RED BEAM  
SPOTTED GUM-CASSIAH WALNUT  
LUMBER-TIMBER  
HARDWOOD FLOORING  
WIGRO VENEERED PANELS  
DOWELS-TREENAILS VENEERS

## WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

## PIERCE-BOSQUIT Abstract & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,  
Nevada City, Reno

SACRAMENTO OFFICE  
ROSS E. PIERCE, Manager  
905 SIXTH STREET





